

Royal Irish Academy Acadamh Ríoga na hÉireann

Annual Report 2001–2002







R O Y A L I R I S H
A C A D E M Y

Acadamh Ríoga na hÉireann

A N N U A L
R E P O R T
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President and Council 2002–2003

President M.E.F. Ryan

Committee of Science

L. O’C. Drury	
J.N. Flavin	
J.J.A. Heffron	
C.H. Holland	
G.F. Imbusch	<i>Senior Vice-President</i>
M.J. Nelson	<i>Vice-President</i>
G.D. Sevastopulo	
M.C. Sexton	
J.A. Slevin	<i>Science Secretary</i>
E.J. Smith	<i>Treasurer</i>
D.L. Weaire	

Committee of Polite Literature and Antiquities

M.E. Daly	<i>Secretary</i>
R. Gillespie	
N. Grene	
B. Murphy	<i>Vice-President</i>
D. Ó Cróinin	
C. Ó Grada	
P. Ó Riain	<i>PL&A Secretary</i>
B. Raftery	<i>Vice-President</i>
W.J. Smyth	
R. Whelan	

President's Introduction

Following three years of service in the office of President, T.D. Spearman stood down from Council on 16 March 2002. His presidency was marked by a number of important innovations that have contributed greatly to the work of the Academy and to the clarification of its internal procedures and arrangements. Professor Spearman was instrumental in obtaining significant additional funds for the Academy to pursue a number of important projects, not least the major programme of digitisation planned for the library. During his period in office as President, the Strategic Plan Steering Committee came into being, and for the first time in many years the opportunity arose to canvass members of the Academy, members of staff and those with a significant interest in the Academy's future for their views on the structure, operations, management and future role of the Academy. A draft Strategic Plan was presented to Academy members at the March Stated Meeting of 2002.

During the past year the Academy played an important role in the development of public policy in a number of key areas. A highly successful seminar in which all the major institutions dealing with the funding and development of scientific research in Ireland came together to participate in a discussion of research policy was organised by the Science Secretary, J. A. Slevin, and took place on 1 February 2002.

At the request of Government, through the Department of Enterprise, Trade and Employment, the Academy



undertook to establish an Irish Council for Bioethics and to appoint its members. The new Council will operate entirely autonomously, with services provided by the Academy.

On the recommendation of the Strategic Plan Committee, the Academy will now consider expanding the number of members elected annually for a period of ten years. It will streamline its administrative procedures by the establishment of an Executive Committee and give new emphasis to the importance of the Academy's role in international scholarly relations by the creation of a post of Secretary for International Relations.

In early 2002 the throughput of Academy publications was reviewed by externs from the Institute of Physics Publishing and Cambridge University Press with a view to improving efficiencies and output. Their report will be matched in the course of 2002–2003 by an independent scholarly review of the standing of the Academy's journals.

A number of meetings on the progress of the Foclóir na Nua-Ghaeilge project were held. Following an examination by consultants from IBM, a new way forward for the publication of the current phase of the project has been charted.

It is particularly welcome news for Academy members that resources were found during the first half of 2002 to upgrade electronic facilities in the library and to purchase new software to make the library catalogue available online. We owe a particular debt of gratitude to Atlantic Philanthropies for the very generous support they have given towards the cataloguing, recording, digitising and publication of electronic versions of the great collection of

Dr Michael Ryan, President

Michael Ryan is Director of the Chester Beatty Library and was formerly Keeper of Irish Antiquities at the National Museum of Ireland (1979–92). He was elected a member of the Academy in 1990 and Honorary Professor at the Department of History of Art, Trinity College, Dublin, in November 1998. He is a Fellow of the Society of Antiquaries of London and Chairperson of the Discovery Programme.

pamphlets in the Academy's library. This will be a significant resource for Irish historical and cultural studies, and the Academy is grateful not alone to its sponsor but also to Trinity College, Dublin, whose library is a partner in the enterprise.

It is especially pleasant to note the generous sponsorship by DePfa Bank, most notably towards the mathematical interests of the Academy. Over the next five years, the Academy will be able to hold an annual Hamilton Lecture to be given by distinguished mathematicians and to award a prize for outstanding achievement by students of mathematics in the universities. As another reminder of Ireland's significant history of scientific endeavour, Enterprise Ireland joined with us in the publication of *Irish innovators in science and technology*, a copy of which is to be sent to every second-level school in Ireland, north and south.

During the course of the coming three to five years the Academy proposes to review its staffing, to develop new staff posts, and to increase income to fund necessary developments in information technology and house management. A welcome addition to the Academy's premises was achieved through the good offices of the Office of Public Works by the acquisition of two floors of the neighbouring Bective House. Our member (and Vice-President) B. Murphy was instrumental in securing this important and much needed relief for the overcrowded conditions in Academy House, where additional meeting rooms and other facilities can now be made available. When the new arrangements are complete it is hoped to offer a better service to Academy members in particular and to extend the benefits enjoyed by them in the use of the house and library to the wider Academy family of the National Committees and Commissions.

During the year, the work of the Officers and Council of the Academy was supported by a number of external consultants, and I should like to express the Academy's particular gratitude to Dr Ciarán Devine, Séamus Páircéir, Dr Tom Higgins and Dr Jean Whyte. The debates on our future have occasioned a lively series of contributions from members of staff, who also participated in the documentation of the Academy's activities as part of the process of charting a course for the future.

To the outgoing President, Professor Spearman, to the Executive Secretary, to his colleagues on the staff of the Academy and to the Officers and members of Council I offer on behalf of all Academy members our sincere thanks.

M.E.F. Ryan
President

Strategic Plan — Summary

The Royal Irish Academy's Strategic Plan affirms its role as a promoter of scholarly research in the sciences and the humanities. It offers the opportunity for the Academy to continue its long tradition of public service by supporting scholarship, by publishing research and by developing its capacity to reflect on scientific and cultural issues of importance to society. Specific tasks should be accomplished within approximately twelve to eighteen months of the initiation of the plan. However, the outlook implicit in the plan is for a much longer period of time during which the Academy aims:

- to continue to promote and recognise distinguished scholarship in the humanities and sciences;
- to assure itself, by seeking out and recognising distinction in scholarship, that its membership contains scholars in all relevant areas of study;
- to contribute, through a comprehensive programme of activities, including specialist working parties, conferences, lectures and discourses, to debate on issues of importance within the Academy's remit;
- to obtain increased accommodation for the Academy in order that its projects and other activities may be adequately housed and that use of Academy House may be greatly extended not just for the benefit of its members and staff but also of organisations whose activities the Academy would wish to promote;
- to pursue reorganisation of its structures and operations to ensure greater efficiency and effectiveness;
- to endeavour to increase the resources available to it, over a number of years, in order to improve its service to the scholarly community and to the public.

The achievement of the goals outlined in the plan will require a period of some five to seven years. The aspirations expressed in the plan and in the mission statement overleaf may guide the Academy, subject to review from time to time, for a longer period.

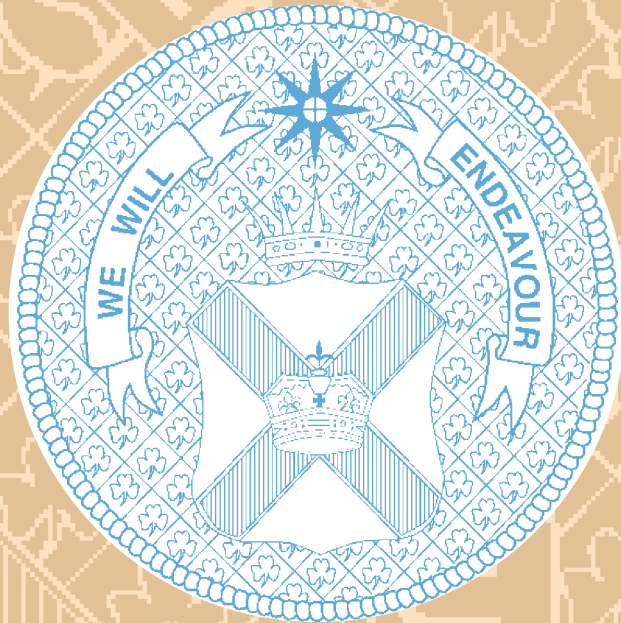
The Academy will review its performance annually and commits itself to a major re-examination and, where necessary, correction of its strategic plan within three years of its adoption.

M.E.F. Ryan
President and Chairman of the
Strategic Plan Steering Committee

Strategic Plan Steering Committee 2001–2002

P. Buckley
E.P. Cunningham
M.E. Daly
T. Higgins *Facilitator*
G.F. Imbusch
D.N. Livingstone
L. Mahoney
B. Murphy
M.E.F. Ryan *Chairman*
J.A. Slevin
Deputy-Chairman
F.J. Smith
D.L. Weaire
P. Woodman

Mission Statement



The Royal Irish Academy will endeavour

to promote and support scholarship and research in the sciences and humanities

to recognise excellence in scholarship and research through election to its membership and through a system of awards and prizes

to make an independent and disinterested contribution to the formation of public policy on scientific and humanities research in Ireland and internationally

to promote advanced interdisciplinary research and enhance relations between Irish scholars

to develop relationships between the world of Irish scholarship and international bodies of learning

to provide an independent forum of debate for Irish scholars

to contribute to public debate on issues of concern in science and culture

to enhance public awareness of the value of advanced scholarship and research and of its relevance to all aspects of modern life

to conduct its own research projects, particularly in areas relating to Ireland and its heritage

to maintain and enhance its unique library as a service to scholars and as an important part of the heritage of Ireland

Treasurer's Report

The Academy's funds derive from both public and private sources. By far the largest proportion, however, comes in the form of a grant-in-aid from the Higher Education Authority (HEA).

For the year 2001 the Academy received €2,553,443 (IR£2,011,000) as a grant-in-aid from the HEA, which compares with €2,228,390 (IR£1,755,000) in the previous year. This increased level of grant allowed for a further consolidation of Academy activities generally and provided a welcome boost to funding for the Academy library, enabling it to commence making its catalogue available to the public on the Internet.

In addition to the HEA grant, the Academy's sponsors play a key role in assisting in its activities. A generous grant of €700,000 has been received from Atlantic Philanthropies for the International Access to the Academy Library Holdings Project, 2002–2007. This project will facilitate the full cataloguing of Academy collections and will make the records available on our web site, as well as ensuring the long-term preservation of the Academy's pamphlet collection and making it accessible online. The Academy has also secured from DePfa Bank Europe an annual grant of €82,000 to sponsor both the Academy's conferences and lectures programme and the Hamilton prize and lecture in mathematics. In the coming years the Academy hopes to continue to broaden its relationship with the corporate community. The Academy is indebted to its benefactors for their enlightened assistance in advancing various Academy activities and awards.



The Academy's thanks are also due to the Office of Public Works, which continues to maintain Academy House to a very high standard.

In the course of 2001 the Academy committed itself to the process of reviewing its role, mandate, activities and performance in order to develop a Strategic Plan with the active cooperation and assistance of Academy members and staff as well as members of the Academy's various committees. An experienced facilitator, Dr Tom Higgins, was employed to advance the process.

Training is an expense that the Academy incurs every year, and we are committed to encouraging all staff to participate in developing their skills. This year the training budget increased again in line with the aspirations of the Programme for Prosperity and Fairness.

I should like to thank the previous Treasurers, Dr Michael Ryan, for 2001–2002, and Professor Brian McMurry, for 1995–2001, for overseeing a considerable improvement in the Academy's finances. No Treasurer in recent years has started his term in office with a healthier balance sheet. Finally, I wish to thank all the Academy's staff and others who gave so willingly of their time and expertise to advance the Academy's work during the past year.

F.J. Smith
Treasurer

The Summary of Accounts for the year ending 31 December 2001 can be found overleaf

Professor F.J. Smith, Treasurer

Jack Smith is Emeritus Professor of Computer Science at Queen's University, Belfast. He received an OBE for services to computer sciences in 2001. He has been a member of the Academy since 1976 and was elected Treasurer in March 2002. Professor Smith has assisted the Academy in the computerisation of a number of projects, most notably the Dictionary of Medieval Latin from Celtic Sources, where he is a member of the Editorial Board, and the Foclóir na Nua-Ghaeilge. He is also the current chairperson of the National Committee for Engineering Sciences. His research interests include artificial intelligence and computational linguistics.

Year ended 31 December 2001

Summary of Accounts

General Purposes Current Account*

	IR£	€
Receipts		
HEA Grant-in-aid	2,011,000	2,553,443
Entrance fees and members' subscriptions	14,083	17,882
Sale of Proceedings	9,730	12,355
Sale of Publications	44,197	56,119
Miscellaneous	48,846	62,022
Brought forward from 2000	4,330	5,498
Room rental	7,805	9,910
Total	2,139,991	2,717,228
Direct expenditure		
Audit, law, bank and professional charges	16,916	21,479
Incidentals (petty cash)	1,529	1,941
Discourse/meetings expenses	30,506	38,735
Postage and telephone	36,136	45,883
Fuel and light	13,889	17,635
Furniture, equipment and household	20,188	25,633
General insurances	4,223	5,362
Printing (administrative)	9,288	11,793
Salaries and wages	569,807	723,506
Stationery and office equipment	21,211	26,932
Supplementary pensions	55,690	70,712
Training and consultancy	37,159	47,182
Information technology	61,322	77,863
Total	877,864	1,114,657
Allocations to Special Accounts		
International Unions and General Assemblies account	40,993	52,050
Library account	216,249	274,580
Printing Proceedings account	137,687	174,826
General Publications account	52,957	67,242
Foclóir na Nua-Ghaeilge account	236,350	300,103
Celtic Latin Dictionary account	70,462	89,468
International Exchanges and Fellowships account	16,257	20,642
Atlas of Historic Towns account	54,312	68,962
Dictionary of Irish Biography account	437,243	555,184
Social Science Research Council account	-3,500	-4,444
Total allocations	1,259,010	1,598,613
Total expenditure	2,136,874	2,713,270
Income	2,139,991	2,717,228
Expenditure	2,136,874	2,713,270
Surplus	3,117	3,958

*The accounts are shown as presented for audit. Under the provisions of the Comptroller and Auditor-General (Amendment) Act 1993, the Academy's accounts are subject to audit by the Comptroller and Auditor-General. The Academy's audited accounts for the year 2000 were signed on 12 June 2001 by the Comptroller and Auditor-General. The Academy's audited accounts for 2001 had not been received by the Academy from the Comptroller and Auditor-General's Office up to the date of the Annual Report going to print.

Secretary's Report

The Stated Meeting of 16 March 2002 saw the retirement of David Spearman as President and the election of Michael Ryan as 51st President of the Academy. Twelve new members and three honorary members were elected. The meeting adopted the Draft Strategic Plan of the Academy and approved a number of the key recommendations: a motion to increase the number of new members to be elected annually to twenty for a period of ten years, and the introduction of postal ballots for the election of the President and Council. These measures will take effect from March 2003.

The Strategic Plan was also discussed at length at the Stated Meeting of 30 November 2001, and the Strategic Plan Committee met members in Cork, Belfast and Galway to discuss the proposals. The process of drawing up a Strategic Plan has created a stronger bond between members, especially those based outside Dublin, and we hope to build on this by increasing the number of meetings and social occasions for Academy members in future.

A major anniversary was marked on 16 March 2002—the bicentenary of the establishment of the Members' Roll. Although the Roll contains the names of all members of the Academy since its foundation, the names of those elected before 1802 were entered retrospectively, all by the same hand. Since then members have signed in person.

One of the landmarks of the past year was the awarding of the Cunningham Medal (see right) to four distinguished members of the Academy.

M.E. Daly
Secretary



The Cunningham Medal

Designed by William Mossop in 1790, the Cunningham Medal is considered to be his finest work. It is named after Timothy Cunningham, a barrister who bequeathed the sum of £1,000 to the Royal Irish Academy to help it to further its aims of promoting study and excellence in the sciences, humanities and social sciences.

The Cunningham Medal was first presented in 1796, and among its recipients have been Ireland's most eminent mathematician, Sir William Rowan Hamilton (1848); polymath and father of Oscar, Sir William Wilde (1873); and natural historian, Frank Mitchell (1989).

The recipients of the Medal in 2001 were:

Daniel Bradley, one of the greatest scientists that Ireland has produced. During his career he was a world leader in the development of ultra-fast, pulsed lasers.

Maurice Craig, Ireland's leading architectural historian and one of Ireland's great literary stylists.

Sir Bernard Crossland, one of the most distinguished university-based engineers in Britain and Ireland. His area of expertise is metal fatigue, explosive welding and friction welding.

David Beers Quinn (recently deceased), a historian of a high international reputation for his pioneering work on the sixteenth-century colonisation of the Americas. His work was the first to examine the earliest contacts between Europe and the Americas.

Professor Mary E. Daly, Secretary

Mary E. Daly is Associate Professor of Modern History at University College Dublin. She was elected to membership of the Academy in 1991 and has served on Council since 1996. In 2000 she was elected Secretary of the Royal Irish Academy. She is a member of the Irish Manuscripts Commission and the National Archives Advisory Council. Her main research interests include the Great Famine; urban history including the history of Dublin; Irish women's history; and economic and social policy since Irish independence.

The Cunningham Medal



A paper on the origins of the Cunningham Medal by Arthur E.J. Went is printed in *Proceedings of the Royal Irish Academy* 73C (1973), 99–106.

Distinctions Conferred on Science Members

I.V. Allen was made Dame of the British Empire in the Queen's Birthday Honours List.

A. Buttner was awarded the Walsh Fellowship by Teagasc for a project on sustainable agriculture, 2002–04 and received the Centenary Award of the Royal Scottish Geographical Society. She delivered the Royal Irish Academy Plenary Lecture at the Royal Geographical Society/Institute of British Geographers Annual Conference at Queen's University Belfast in January 2002.

W.T. Coffey was awarded a Berkeley Fellowship by Trinity College, Dublin, for the academic year 2001–02 and a Distinguished Visitor Fellowship at Queen's University Belfast for the period 2002–05.

F.H.C. Crick (Hon. MRIA) received the inaugural Trotter Prize for Issues Involving Information, Complexity and Inference from Texas A. & M. University.

D.S.F. Crothers was elected to the National Council of University Professors.

P.J. Cannon was conferred with a BA (Mod) degree by the University of Dublin.

A. Dalgarno (Hon. MRIA) was elected a Member of the United States National Academy of Sciences and served as the Vikram A. Sarabhai Professor at the Physical Research Laboratory in Ahmadabad, India.

J.C.I. Dooge was awarded Honorary Doctorates of Science by the National University of Ireland and the Universidad Complutense, Madrid; and became an Honorary Member of the International Association for Hydraulic Research.

M.R. Flannery (Hon. MRIA) received the Sir David Bates Prize from the UK Institute of Physics and the Alumnus Illustrissimus Award from St Columb's College, Derry.

J.P. Fraher became a Fellow of the Royal College of Surgeons in Edinburgh.

R.H. Grubbs (Hon. MRIA) was awarded the Cliff S. Hamilton Award from the University of Nebraska and the Arthur C. Cope Award of the American Chemical Society.

New Members, Science



Peter Coxon

Associate Professor in the Department of Geography, Trinity College, Dublin. His research, for which he has an international reputation, is focused on the last few million years of the earth's history. He has combined studies of the history of the vegetation, using the pollen record, with investigations of surface processes—sedimentation and erosion—to recreate the evolution of the landscape and the climate of the last Ice Age. He is a leading figure of Irish quaternary science. Elected 16 March 2002.



Amilra Prasanna de Silva

Professor of Organic Chemistry in Queen's University Belfast. He is one of the most original chemical scientists of his generation. A pioneer in establishing one of the two main design principles of fluorescent sensors and in contributing to the invention of molecular-scale logic devices, the sensor work he has done is finding applications in biological and medical monitoring, while his device work holds considerable promise to be applied in molecular computation. His research has often been highlighted in *Nature* and *Science*. Elected 16 March 2002.



George W. Irwin

Professor of Control Engineering in the School of Electrical and Electronic Engineering at Queen's University Belfast. He is internationally renowned for his contribution to the area of control engineering and is distinguished for his outstanding research in on-linear and parallel control, which has been exploited in a range of industrial applications. He has published widely in major international journals and has been awarded numerous prizes and awards. Elected 16 March 2002.



Patrick Gerald McKenna

Vice-Chancellor of the University of Ulster, with responsibility for the three campuses of Coleraine, Magee College and Jordanstown, together with an extensive outreach partnership, whose aim is to make education accessible to all. A distinguished biologist, he has made important contributions to the development of strategic academic planning in Northern Ireland and Britain. Elected 30 November 2001.



Bertus Rima

Professor of Molecular Biology at Queen's University Belfast. He is internationally recognised as one of the leading paramyxovirologists in the world for his work on the characterisation of paramyxoviruses such as mumps and measles. He has made major contributions to the understanding of persistent infections by these viruses both in humans and in animals. He has made a notable contribution to the identification of new emergent viruses in seals, dolphins and other sea mammals. Elected 16 March 2002.



Siddhartha Sen

Fellow Emeritus of Trinity College, Dublin. He is internationally recognised for his work on the application of modern mathematical methods to physics. He is a particular expert in methods deriving from quantum field theory and group symmetry principles. The areas in which he has made contributions are diverse and include string theory, quantum turbulence and self-organised critical systems. His current work concentrates on black holes, on the associated entropy and on the conformal structure near the event horizon. Elected 16 March 2002.



Seán Strain

Professor of Human Nutrition and Co-Director of the Centre for Molecular Biosciences at the University of Ulster, Coleraine. He has published widely in all the major international peer-reviewed nutrition journals and is co-editor of a number of books, including the award-winning *Encyclopedia of human nutrition*. He is internationally recognised for his work on micronutrients and chronic disease. His university department has been designated a Centre of Excellence in Diet and Health. Elected 16 March 2002.

Distinctions

J. Hegarty was conferred with the degrees of MA (j.o.) and ScD by Trinity College, Dublin.

F.E.P. Hirzebruch (Hon. MRIA) received an honorary degree from Bar-Ilan University, Israel.

J.-M. Lehn (Hon. MRIA) became Member of the Académie des Technologies, Institut de France; Honorary Member of the Hungarian Academy of Sciences; Honorary Fellow of the Singapore Institute of Chemistry; Member of the International Academy of Humanism; Honorary Member of the Chemical Society of Japan; and Honorary Fellow of the Chemical Research Society of India; and was awarded the Österreichisches Ehrenkreuz für Wissenschaft und Kunst, erste Klasse.

S.J. Lippard (Hon. MRIA) was awarded the Richards Medal by the Northeastern Section of the American Chemical Society.

J.V. McCanny was elected a Fellow of the Royal Society.

P.G. McKenna was awarded an Honorary Doctorate of Science by the National University of Ireland.

P. Masterson was conferred with the title of Emeritus Professor by the Governing Authority of University College Dublin.

C. Synge Morawetz (Hon. MRIA) was elected an Honorary Member of the London Mathematical Society.

L. O'C. Drury was appointed to the Fachbeirat of the Max-Planck-Institut für Kernphysik, Heidelberg, and to the Space Science Advisory Committee of the European Space Agency.

W.S. Pitcher (Hon. MRIA) was elected a Socio Honorario of the Sociedad Geológica del Perú.

T.M. Rice (Hon. MRIA) was elected to the Council of the American Physical Society as the International Councillor for 2002–03.

D.H.S. Richardson was presented with the Ursula Duncan Award by the British Lichen Society for his outstanding contribution to international lichenology.

F.J. Smith was awarded an OBE for services to computer science.

D.G. Walmsley was elected a Fellow of the American Physical Society.

G.T. Wrixon became an Honorary Life Member of the Royal Dublin Society.

Distinctions Conferred on Humanities Members

M. Bric was the recipient of the inaugural Summer Fellowship in Irish Studies at Boston College for 2002.

T.M. Devine (Hon. MRIA) was awarded the Royal Gold Medal of the Royal Society of Edinburgh and received Honorary Doctorates in Literature from Queen's University Belfast and the University of Dundee.

P. Harbison was elected an Honorary Member of the Royal Institute of Architects of Ireland.

M. McAleese received the degree of LLD from the Metropolitan University, Manchester, and an Honorary Doctorate of Letters from the University of Ulster.

M. McDonald was awarded an honorary Doctorate of Literature by the National University of Ireland and was elected a Member of the 2000 Outstanding Scholars of the 21st Century by the International Biographical Centre, Cambridge, UK.

F.J. O'Reilly was invested as a Papal Knight Commander of the Equestrian Order of St Gregory the Great for his contribution to the restoration of the Irish College in Paris.

M. Robinson received the Indira Gandhi Peace Prize (India); the Albert Medal of the Royal Society for the Encouragement of Arts, Manufactures and Commerce (UK); and the UNESCO Félix Houphouët-Boigny Peace Prize (France).

E. Sagarra was appointed a member of the international peer group to evaluate the Swiss Research Council for the period 2001–05.

New Members, Humanities



Mary Clayton

Professor of Old and Middle English in University College Dublin. She works on the literature and cultural history of Anglo-Saxon England and has published on the cult of the Virgin Mary, saints' lives and the works of Ælfric. She is one of the finest Anglo-Saxonists at work in these islands and is internationally distinguished for her work on Old English religious literature. Her most recent book is *The apocryphal gospels of Mary in Anglo-Saxon England* (1998). Elected 16 March 2002.



Elizabeth Meehan

Professor and first Director of the new Institute of Governance, Public Policy and Social Research at Queen's University Belfast. She is the leading authority in these islands on the political issues pertaining to citizenship and has made a seminal contribution to the literature on European citizenship. She publishes extensively on citizenship in the context of Northern Ireland and Irish–British relations and in the field of women's rights. Elected 16 March 2002.



Patrick Honohan

Lead Economist in the Development Research Group of the World Bank. He is internationally recognised for his wide-ranging scholarship in the areas of monetary economics, macro-economics and financial policy. His recent contributions to the literature have been on the theory and experience of banking crises and on exchange rate regimes. He was formerly a Research Professor at the Economic and Social Research Institute (1990–8) and an adviser to the Irish government (1981–2 and 1984–6). Elected 16 March 2002.



Dermot Keogh

Professor of History and Jean Monnet Professor of European Integration Studies at University College Cork. He has made a major contribution to the history and historiography of twentieth-century Ireland and is universally regarded as one of the pre-eminent historians of modern Ireland. His most recent book, *Jews in twentieth century Ireland*, was awarded the 1999 James S. Donnelly Senior Prize of the American Conference of Irish Studies. Elected 16 March 2002.



Brendan O'Donoghue

Director of the National Library of Ireland and formerly Secretary General of the Department of the Environment and Local Government, where he was heavily involved in the work of the European Union's Environment Council (1983–7) and other international bodies. He was chairman of the Irish Architectural Archive from 1997 to 2001. He is a trustee of the Chester Beatty Library and a member of the Irish Manuscripts Commission. Elected 30 November 2001.



Mary Pollard

Former Keeper of Early Printed Books in the Library of Trinity College, Dublin. She has been described as the 'unrivalled doyenne of Irish historical bibliography' and has almost single-handedly guided the development of historical bibliography in Ireland over the last 40 years. She is an international authority on the history of Irish printing and the print trades in Ireland, and her monumental *Dictionary of members of the Dublin book trade 1550–1800* was published in 2000. Elected 16 March 2002.



Ian Stuart Robinson

Associate Professor in the Department of Medieval History at Trinity College, Dublin. A distinguished medievalist, he is an internationally recognised expert on papal–imperial conflict in the eleventh and twelfth centuries. His books include *Authority and resistance in the investiture contest: the polemical literature of the late eleventh century* (1978) and *The Papacy 1073–1198: continuity and innovation* (1990). Elected 16 March 2002.

Distinctions

P.F. Wallace was awarded the Civic Honour of Limerick County Council and was created a Knight of Danebrog, Denmark.

T.K. Whitaker had his portrait included in the National Portrait Collection of the National Gallery of Ireland.

In addition:

A memorial plaque to **Sir John MacNeill**, MRIA (1793–1880), first Professor of Engineering at Trinity College, Dublin, was unveiled in Brompton Cemetery, London, by the Institution of Engineers of Ireland and Trinity College, Dublin.

Academy Meetings and Discourses 2001–2002

21 May 2001

Professor Richard Wool, Professor of Chemical Engineering, Center for Composite Materials, University of Delaware: 'New materials from renewable resources'

25 June 2001

Dr Julian Raby, The Oriental Institute, University of Oxford: 'The last day: the foundation of the Dome of the Rock'

26 September 2001

Professor Jay Winter, Yale University: 'The impossibility of forgetting: shellshock, mutilation and the memory of war'

22 October 2001

Professor T.D. Spearman, Presidential address: 'The Royal Irish Academy: the way ahead'

5 November 2001

Professor Otto-Hermann Frey, Hon. MRIA: 'New approaches to early Celtic art on the continent: continuity and change'

13 December 2001

Professor Gerhard Stourzh, University of Vienna: 'Civil rights, ethnic rights (and wrongs), human rights: a historian's reflections'

24 January 2002

(in Queen's University Belfast) Dr Janet Browne, Wellcome Trust Centre for the History of Medicine, University College London: 'Darwin in caricature'

Professor T.D. Spearman, PRIA, with (from left) Cunningham Medal winners Dr Maurice Craig, MRIA, Professor Daniel Bradley, MRIA, and Sir Bernard Crossland, MRIA.

Tribute

David Spearman, President 1999–2002

David Spearman was elected to membership of the Academy in 1975 and immediately became an active force within it. He was elected to Council in 1976 and became Senior Vice-President in 1979. He served as Treasurer for eight years from 1980. This was a period of great change in the Academy, when the numbers of staff more than doubled, and David played a key role in shaping the Academy's finances and direction.

During that period he became extensively involved in European academic institutions and, as a result, brought a forward-thinking European focus to the Academy's work. He was Vice-President of the European Science Foundation from 1983 to 1989, Treasurer of the Academia Europaea from 1989 to 2000 and a member of the European Science and Technology Assembly from 1994 to 1998.

On his election to the Presidency in



1999, David provided valuable advice and leadership during a further crucial stage of development in the Academy. In November 1999, substantial changes were made in the Academy's By-Laws to allow for an increase in the numbers of new members elected annually (from eight to

twelve) and to allow greater democracy in the nomination of candidates for the office of President. At the November Stated Meeting in 2000 he introduced the proposal to undertake a major strategic review and in November 2001 presented the first draft of a Strategic Plan for the Academy. Above all, however, he is remembered as a humane presence in the Academy, a cautious, compassionate yet encouraging catalyst of change for both staff and members.

In David Spearman the Academy found an excellent navigator, and we hope that he will continue to take an active interest in our affairs.



Elected 16 March 2001

New Honorary Members



Michael W. Herren

Research Professor at York University in Toronto, Canada. He has been the foremost scholar researching and publishing in the field of Hiberno-Latin and Hiberno-Greek studies since 1974, when his edition of *Hisperica famina* was published. A scholar of unique linguistic and literary talents, he has distinguished himself particularly by his willingness to tackle the most difficult texts. He has pioneered the study of Latin and Greek literature in Ireland in the medieval period and his many publications have rescued from obscurity a range of writings that were for many centuries neglected.



Stephen J. Lippard

Arthur Amos Noyes Professor in the Department of Chemistry, Massachusetts Institute of Technology. He is one of the top inorganic chemists in the world and has made seminal contributions in both organometallic and bio-inorganic chemistry. His work on platinum anticancer drugs and on the structure and mechanism of action of the spectacular enzyme methanemonooxygenase is of utmost importance and has been internationally recognised. He is author or co-author of over 500 articles in professional and scholarly journals and is a co-author of a standard text in bio-inorganic chemistry.



Stuart Alan Rice

Frank P. Hixon Distinguished Service Professor of Chemistry in the James Franck Institute, University of Chicago. Of Irish descent, he was awarded the National Medal of Science in 1999 by President W.J. Clinton 'for changing the very nature of modern physical chemistry through his research, teaching and writing, and for using imaginative approaches to both experiment and theory that have inspired a new generation of scientists'. He has made fundamental and enduring contributions both experimentally and theoretically to vibration spectroscopy, to statistical mechanics, to the structure of water and to reaction rate theory. He is ranked 190 among the most cited chemists in the world.

Deaths

The deaths of the following members in the past year are recorded with regret:

James C. Brindley, Emeritus Professor of Geology, National University of Ireland, Dublin. Elected 1956. Died 19 October 2001.

A.W. Brian Jacob, Senior Professor of Geophysics, Dublin Institute for Advanced Studies. Elected 1998. Died 5 November 2001.

Patrick Lynch, Emeritus Professor of Political Economy, National University of Ireland, Dublin. Elected 1962. Vice-President 1971–2, Treasurer 1972–80. Died 16 November 2001.

Charles Brian Anthony McCusker, Emeritus Professor of High Energy Nuclear Physics, University of Sydney, Australia. Elected 1953. Died 22 October 2001.

Patrick Michael Quinlan, Emeritus Professor of Mathematical Physics, National University of Ireland, Cork. Elected 1978. Died 8 November 2001.

David Beers Quinn, Andrew Geddes and John Rankin Professor Emeritus of Modern History, University of Liverpool. Elected 1941. Awarded Cunningham Medal 2001. Died 19 March 2002.

Claude Elwood Shannon, Professor Emeritus of Science, Cambridge, Massachusetts, USA. Regarded as the father of modern digital communications and information theory. National Medal of Science 1966; Kyoto Prize for Basic Science 1985. Elected 1985. Died 24 February 2001.

Alec Westley Skempton, Emeritus Professor of Civil Engineering, Imperial College of Science and Technology, London. Elected 1990. Died 9 August 2001.

Science Diary 2001–2002

11 April 2001

European Space Agency meeting and reception

23 April 2001

'Oscillators: why are they so?' — lecture presented by Professor M.P. Kennedy (UCC), recipient of the inaugural Royal Irish Academy Parsons Award in Engineering Sciences 2001, sponsored by Siemens

1 May 2001

Presentation of the inaugural Royal Irish Academy Prize for Young Chemists to Dr T. Ryan (TCD), sponsored by AGB Scientific Ltd and the *Irish Times*

30 May 2001

Lecture by Professor Luciano Maiani, Director General of the European Centre for Particle Physics (CERN)

19 September 2001

Presentation of the Chemistry Essay Prizes 2001 by the Right Honourable the Lord Mayor of Dublin, Councillor Michael Mulcahy

3 October 2001

Re-launch of the Ireland–France Research Visits Scheme under its new title 'Ulysses'

4 October 2001

European Space Agency press reception

24 October 2001

Presentation of the Royal Irish Academy Award in Microbiology 2001 to Dr R. Powell (NUIG) in the National University of Ireland, Galway. We record with regret the death of Dr Powell in July 2002.

25–6 October 2001

OECD–EU Workshop

1 November 2001

Nutrition and Food Safety Conference organised by the National Committee for Nutritional Sciences

13 November 2001

Science Week Lecture presented by Professor Denis Weaire, MRIA

14 November 2001

Science Writing Competition Awards presented by Mary Harney, TD, Tánaiste and Minister for Enterprise, Trade and Employment

Science Secretary's Report

In keeping with the spirit of the Strategic Review, the main focus for science in 2001–2002 was on issues rather than disciplines. In addition to the many traditional science events which the Academy runs annually, priority was given to two important issues: the funding of scientific research and public awareness of science (see Science Special Report 1). Both are key areas in Ireland's development in the information age as a knowledge-based economy.

On 1 February 2002, the Academy organised a symposium entitled 'Science and Technology – Looking to the Long Term', the main purpose of which was to provide an opportunity for members of the research community to engage in dialogue with representatives of the funding bodies in order to make the financing of scientific research in Ireland more effective, transparent and straightforward. The initiative was well received, and a robust exchange of views took place. Researchers clearly valued the opportunity to examine the rationale and *modus operandi* of the various funding schemes. Questions were raised on the wisdom of having a number of agencies pursuing broadly similar goals in different and not necessarily complementary ways; on the need for more transparency in the system; and on the need to adopt standards of international 'best practice' in the operation of grants, with peer review an essential requirement for the credibility of any programme.

The speakers included Professor Sean Corish, MRIA, Royal Irish Academy; Dr Don Thornhill, MRIA, Higher Education Authority; Dr William Harris, Science Foundation Ireland; Professor Frank Hegarty, MRIA, Irish Research



Council for Science, Engineering and Technology; and Dr Ruth Barrington, Health Research Board.

At the meeting the four funding agencies tabled a draft cooperation agreement in respect of the funding of basic research in the sciences in third-level institutions. The cooperation framework and

arrangements provide for:

- the establishment of a Standing Committee of Chairpersons/Chief Executives of the four agencies, meeting quarterly to ensure coordination and coherence in process, planning and scheduling and the exploitation of inter-programme complementarities;
- the sharing of information to ensure that there are no risks of duplicate funding, with databases of the results of awards and periodic monitoring and evaluation of these awards being made available to each agency;
- the publication of an annual report on the four funding operations;
- the periodic commissioning of independent process reviews to validate the effectiveness of these collaborative arrangements.

While the cooperation agreement was not put to the meeting for approval, there was general support for the idea that some overarching mechanism, perhaps in the form of a separate Minister for Science with a seat in Cabinet, was necessary to coordinate the missions of the different agencies.

Among the science highlights in the Academy during 2001–2002 was the inaugural McCrea Lecture given by Sir Martin Rees, Astronomer Royal. For a report on this event, see p. 20.

James A. Slevin
Science Secretary

Science Awards 2001–2002

Awarding Excellence in the Sciences

PARSONS AWARD IN THE
ENGINEERING SCIENCES
SPONSORED BY SIEMENS

Professor **Michael Peter Kennedy** (UCC) in the foreground with Brian Sweeney, Chairman of Siemens Ireland and Professor T.D. Spearman, PRIA.



RIA AWARD IN BIOCHEMISTRY
SPONSORED BY SCHERING
PLOUGH (BRINNY) CO.

Professor **Richard O'Kennedy** (DCU)



RIA AWARD IN PHARMACOLOGY
AND TOXICOLOGY
SPONSORED BY ELAN
CORPORATION

Professor **David J. King** (QUB)



RIA AWARD IN
MICROBIOLOGY

Professor James Brown, Registrar, NUIG, Professor David Spearman, PRIA, Dr **Richard Powell** (NUIG) and Dr Michael O'Connell (DCU).



RIA PRIZE FOR YOUNG
CHEMISTS 2001
SPONSORED BY AGB
SCIENTIFIC LTD AND THE
IRISH TIMES

Dr **Theo Ryan** (TCD)



CHEMISTRY ESSAY PRIZE
(2ND LEVEL)

SPONSORED BY AGB SCIENTIFIC
LTD, THE IRISH TIMES, THE
INSTITUTE OF CHEMISTRY AND
THE ROYAL SOCIETY

Tom O'Meara, AGB Scientific Ltd and **Clare O'Kane** (1st prize)



Aisling Byrne (2nd prize)
and **David Coyle** (3rd prize)



SCIENCE WRITING COMPETITION 2001

SPONSORED BY YAMANOCHI (IRELAND) CO. LTD AND THE
IRISH TIMES

Linda O'Reilly (UCD), holding the award, with **Anne McGettrick** (UCD) (2nd prize) and Joe Harford, Chief Executive Officer, Yamanouchi (Ireland), in the background.



20 November 2001

Launch of *The geology of Ireland*, edited by Professor Charles Holland, MRIA

26 November 2001

Board for Science meeting

26 November 2001

Presentation of Cunningham Medals

20 December 2001

Genetic Anthropology Seminar

1 February 2002

Academy Symposium 'Science and Technology Research—Looking to the Long Term'



5 February 2002

'Fields and radiations of the human body: new methods of non-invasive diagnostics'—lecture by Professor Yuri.V. Gulyaev, Russian Academy of Sciences

12 February 2002

Board for Science meeting.

26 February 2002

'Antibodies: key components of natural and artificial sensing and detection systems'—award lecture presented by Professor R. O'Kennedy (DCU), recipient of the Royal Irish Academy Award in Biochemistry 2001

4 March 2002

Launch of vol. 4 of *The mathematical papers of Sir William Rowan Hamilton*, edited by Professor Brendan Scaife, MRIA

11–12 March 2002

Inaugural McCrea Lecture presented by Sir Martin Rees, Astronomer Royal

Science Special Report 1

The Academy's Conference Sponsor

In January 2002 DePfa Bank Europe Plc agreed to establish a sponsorship fund of €250,000 to fund Academy conferences in science, the humanities and social sciences for the period 2002–2006. This most generous sponsorship, kindly arranged by DePfa Bank board member Professor Frances Ruane, will enable the Academy to invite more international high-profile speakers to Ireland and to organise and promote additional international conferences and lectures. Most importantly, it will also allow the Academy to play its role in promoting the popular understanding of science.

McCrea Lecture

The inaugural McCrea Lecture by Astronomer Royal, Sir Martin Rees, was co-sponsored by DePfa Bank.

The lecture was organised by the National Committee for Astronomy and Space Research to promote an interest in science through astronomy and to celebrate the achievement of William McCrea, MRIA (1904–99), one of the most important and influential of all Irish-born astrophysicists. Sir Martin delivered his lecture in Academy House on 11 March 2002 and to a packed Hamilton Lecture Theatre in Trinity College, Dublin, on 12 March 2002. During his visit to Dublin he was interviewed by Dick Ahlstrom in the *Irish Times*, Gerry Ryan on Radio 2FM and David McWilliams on TV3's *Agenda* programme.

The Hamilton Prize and Lecture

To commemorate the discoveries of Sir William Rowan Hamilton (1805–65), PRIA, Ireland's most eminent scientist, DePfa Bank Europe have also agreed to sponsor the Hamilton Prize and Hamilton Lecture.

The Hamilton Prize of €1,000 will be awarded annually to the 'best' student in the penultimate year of undergraduate mathematical studies in each of the nine universities in Ireland (north and south). The presentation of the Hamilton Prizes will take place at a master class given by a world-renowned mathematician on Hamilton Day (16 October), the day on which Hamilton discovered quaternions.

The Hamilton Lecture will also be given annually on Hamilton Day by a distinguished mathematical scientist who has won a Fields Medal or a Nobel Prize. The inaugural lecture will be given by Nobel Laureate Professor Murray Gell on 16 October 2002.


DEPFA BANK

DePfa Deutsche Pfandbrief Bank AG, Germany's leading public sector financing institution, established DePfa Bank Europe in Dublin in 1993. Late in 2000 the group announced a major restructuring, which entailed splitting the two main business activities of the group into two separately capitalised, managed and regulated institutions. The Public Sector Bank now concentrates exclusively on public sector business and is located in Dublin.

A series of Academy events sponsored by DePfa Bank is in the planning stage for 2002–2003.



Inaugural McCrea Lecture, Academy House, 11 March 2002. From left—Professor Frances Ruane, Sir Martin Rees (Astronomer Royal) and Dermot Cahillane (DePfa Bank).



Science Special Report 2

Irish Council for Bioethics

Early in 2002 the Irish Council for Bioethics was established by the Royal Irish Academy, as recommended by the Inter-Departmental Group on Modern Biotechnology in October 2000. An independent body, it will clarify the ethical issues raised by developments in biotechnology and communicate its views to decision makers, scientists and the general public. The government will also be able to refer questions to the Council for consideration and advice.

Professor Patrick Fottrell, MRIA, biochemist and former President of the National University of Ireland, Galway, is the Council's first chairman. In his opinion the Council is much needed as Ireland seeks to become a world leader in biotechnology research and as developments in biotechnology evolve so rapidly. 'Only interdisciplinary co-operation can give us an effective exploration of the complex ethical questions which biotechnology brings', says Professor Fottrell.



The terms of reference of the Irish Council for Bioethics are:

- to identify and interpret the ethical questions raised by biological and medical research in order to respond to, and anticipate, questions of substantive concern;
- to make arrangements for examining and reporting on such questions with a view to promoting public understanding and discussion; this may contribute, where needed, to the formulation of new guidelines by the appropriate regulatory or other body;
- in the light of the outcome of its work, to publish reports and to stimulate discussion through other means, including conferences, workshops, and lectures.

The Irish Council for Bioethics will be autonomous. The Academy's role will be to nominate the membership and provide the secretariat for the Council. The Council will be free to express views independently of the Academy and those views may therefore not necessarily represent the Academy's viewpoint.

Professor Patrick Fottrell, MRIA, Chairman of the Irish Council for Bioethics.

Dr Siobhán O'Sullivan, Scientific Director of the Irish Council for Bioethics.

Council Members

Professor **Patrick Cunningham**, MRIA, TCD

Matt Dempsey, *Irish Farmers' Journal*

Dr **Dolores Dooley**, UCC

Dr **Margaret Fitzgerald**, Food Safety Authority of Ireland

Dr **Patrick Flanagan**, formerly of the Environmental Protection Agency

Professor **Patrick Fottrell**, former president of NUIG

Dermot Gleeson, SC, former Attorney General

Professor **Patrick Hannon**, St Patrick's College, Maynooth

Dr **Kenneth Kearon**, Irish School of Ecumenics

Professor **Cecily Kelleher**, NUIG

Dr **Mark Lawler**, St James's Hospital

Dr **Tony McGleenan**, QUB

Mr **Peter McKenna**, Rotunda Hospital

Mary Mulvihill, science writer

Dr **Nora O'Brien**, UCC

Professor **Fergal O'Gara**, UCC

Professor **Ronan O'Regan**, MRIA, UCD

Professor **Anne Scott**, DCU

Asim Sheikh, UCD

Professor **Seán Strain**, UU

Professor **Peter Whittaker**, Institute of Environment, Philosophy and Public Policy at Lancaster University and formerly of NUIM

Portraits from the Academy year 2001-2002

National Committee for the Study of Modern Languages, 28th Annual Research Symposium (9-10 November 2002, Coleraine), 'Translations: Paradigms of Linguistic and Cultural Transformation'. President Mary McAleese, MRIA, and Professor Gerard McKenna, MRIA, Vice-Chancellor of the University of Ulster.



Academy Meeting, 20 September 2001. Professor David Fitzpatrick (TCD) signing the Roll as a new member and his sponsor, Professor J.J. Lee, MRIA.



National Committee for the Study of International Affairs, Conference, 10 November 2001, 'The Crisis of 2001: Values and Interests in the International System'. Brian Cowen, TD, Minister for Foreign Affairs, Dr Nadia Arbatova, Russian Academy of Sciences, and Professor T.D. Spearman, PRIA.





National Committee for Nutritional Sciences Conference, 1 November 2001, 'Nutrition and Food Safety'. David Byrne, EU Commissioner for Health and Consumer Protection, and Dr Mary Upton, Labour Party spokesperson on food safety.



Professor David Southwood at the Integral Satellite briefing in Academy House, 4 October 2001.



Thomas Moore Commemorative evening, 25 February 2002. From left—Kathleen Tynan, soprano, Professor T.D. Spearman, PRIA, Dearbhla Collins, pianoforte, and Professor Seamus Deane, MRIA. Lecture entitled 'Let Erin remember: the legacy of Thomas Moore, Hon. MRIA'.

Humanities Diary

2001–2002

20 March 2001

Visit of His Excellency Dr Paul Leifer, the Ambassador of Austria.

20 March 2001

'Whatever shines should be observed: Irish women scientists of the nineteenth century' by Professor Susan McKenna-Lawlor, a public lecture organised by the National Committee for the History and Philosophy of Science

5 April 2001

Launch of 'The legend of St Brendan: a critical bibliography' by Glyn S. Burgess and Clara Strijbosch

19–20 April 2001

'After the Union: A Cultural Desert?'—conference organised by the National Committee for the Study of Anglo-Irish Literature

17 May 2001

Launch by Dr Michael Woods, TD, Minister for Education and Science of 'The socketed bronze axes in Ireland' by Professor George Eogan

24–5 May 2001

'Metaphysics'—conference organised by the National Committee for Philosophy

22 June 2001

Presentation of Eoin O'Mahony Bursary Awards

25 June 2001

Visit of His Excellency Dr Petr Kolár, the Ambassador of the Czech Republic

2–13 July 2001

Greek and Latin Summer Schools in UCD, organised by the National Committee for Greek and Latin Studies

16 July 2001

7th Triennial Anglo-American Seminar on Medieval Economy and Society

9 September 2001

Heritage Day exhibition in the Library

3 October 2001

Re-launch of the Ireland–France Research Visits Scheme under its new title 'Ulysses'

Humanities Secretary's Report

The Academy had another busy year in the humanities. Eight conferences were organised by our National Committees on subjects as diverse as 'After the Union: A Cultural Desert?' (Committee for the Study of Anglo-Irish Literature) and 'The Crisis of 2001: Values and Interests in the International System' (Committee for the Study of International Affairs). The Committee for the Study of Modern Languages also held a very successful research symposium in the University of Ulster, Coleraine, on 'Translations: Paradigms of Linguistic and Cultural Transformation', which was opened by the President of Ireland, Mary McAleese, MRIA, on 9 November 2001.

All the National Committees gave extensive consideration to the proposed Strategic Plan for the Academy, and almost all made written submissions to the Steering Committee. In relation to the National Committees, the Strategic Plan recommends:

- the creation of a new, smaller network of stronger and more high-profile, multidisciplinary committees to replace the present large number of single-discipline committees;
- that National Committees and their sub-committees should have a greater degree of autonomy;
- the provision of a suitable annual budget for each National Committee and significant additional administrative support;
- that the National Committees be encouraged to develop and maintain strong relationships with their professional bodies.

There was a very lively discussion on

these and other points at the meetings of the Board for Humanities in November 2001 and February 2002. General support was expressed for the thrust of the document and for the review in general. It was agreed that there will be a high level of consultation over the next year.

We welcomed a new National Committee into the Academy family during 2001, when terms were agreed to have the existing Irish Committee for Historical Sciences (ICHS) recognised as the National Committee for History.

The Academy's five in-house research projects in the humanities continued to work steadily towards their respective targets (see pp 32–4 of this report). A major report on the future of the Foclóir na Nua-Ghaeilge (FNG) project was submitted to this Higher Education Authority in 2001. The Academy's commitment to this project was confirmed, but the scale of the project and the resources available make it necessary to restructure the project into separate phases. The compilation of the Dictionary of Modern Irish, concentrating mainly on material from the seventeenth to nineteenth centuries, will be completed as a separate project. In the meantime, work has continued on the computerised archive of Irish from 1600 to 1882, comprising 7.2 million words. Two information technology experts from IBM carried out an examination of the FNG's captured material and subsequently reported on the structure of the FNG archive and its potential as a digital online corpus. The provision of worldwide public access to this valuable archive will be a major achievement for the Academy and the study of the Irish language.

Pádraig Ó Riain
Secretary for Polite Literature
and Antiquities (Humanities)

Tuairisc Rúnaí na nDán

Bliain ghnóthach eile ag na Dáin san Acadamh ba ea í. D'eagraigh na Coistí Náisiúnta ocht gcinn de chomhdhála ar ábhair chomh fada óna chéile le 'After the Union: a Cultural Desert' (Coiste um Staidéar na Litríochta Angla-Éireannaí) agus 'The Crisis of 2001: Values and Interests in the International System' (Coiste um Staidéar na gCúrsaí Idirnáisiúnta). Thionóil Coiste um Staidéar na dTeangacha Nua-aimseartha an 28ú Siompóisiam Bliantúil dá chuid in Ollscoil Uladh i gCúl Rathain, agus b'é ba théama dó 'Translations: Paradigms of Linguistic and Cultural Transformation'. Uachtarán na hÉireann, Máire Nic Giolla Íosa, MRIA, a d'oscail an Siompóisiam ar 9 Samhain 2001.

Phléigh gach Coiste Náisiúnta an Plean Straitéiseach go mion, agus chuir formhór na gCoistí a dtuairimí in iúl i scríbhinn do Choiste Stiúrtha an Phlean Straitéisigh. Is iad na moltaí seo leanas de chuid an Phlean Straitéisigh a bhaineann go háirithe leis na Coistí Náisiúnta:

- gréasán níos lú de Choistí a bheith ann agus iad sin eagraithe ar bhonn ildisciplíneach ionas gur mó a gcumhacht agus an aird a thabharfaí dóibh, in ionad an líon mór Coistí aondisciplín atá ann faoi láthair.
 - breis neamhspléachais a bheith ag idir Choistí Náisiúnta agus a bhfochoistí.
 - buiséad bliantúil cuí a dháileadh ar gach Coiste Náisiúnta i dteannta tacaíocht bhreise riaracháin.
 - go spreagfaí na Coistí Náisiúnta chun baint níos dlúithe a bheith acu lena gcomhleacaithe gairmiúla.
- Bhí plé nár bheag ar na moltaí seo



agus ar mholtaí eile ag cruinnithe Bhord na nDán i Samhain 2001 agus Feabhra 2002. Glacadh, ar an mórgcoir, le héirim na moltaí agus leis an bPlean trí chéile. Socraíodh go leanfaí de bheith ag dul i gcomhairle le chéile i gcaitheamh na bliana seo chugainn.

Fáiltíodh roimh Choiste Náisiúnta nua i mbliana, nuair a aontaíodh ar Choiste Éireannach na nEolaíochtaí Staire a aithint feasta mar Choiste Náisiúnta na Staire.

Chuaigh na cúig tionscnaimh taighde atá ar siúl laistigh den Acadamh a thuilleadh chun cinn i mbliana (féach Il 32–4). Cuireadh tuairisc thábhachtach ar a bhfuil i ndán d'Fhoclóir na Nua-Ghaeilge faoi bhráid an Údaraís um Ard-Oideachas in 2001. D'athdhearbaigh an tAcadamh a dhílseacht don tionscnamh seo ach, de bharr a scála agus méid na nacmhainní a chuirtear ar fáil dó, tuigeadh gur ghá é a athstruchtúrú agus a athrannú. Tabharfar taobh an Fhoclóra de, atá bunaithe ar ábhar ón 17ú go dtí an 19ú aois, chun críche mar thionscnamh faoi leith. Idir dhá linn, leanadh do bheith ag soláthar do chartlainne leictreonaigh na Gaeilge don tréimhse 1600–1882, go bhfuil 7.2 milliún focal um an dtaca seo inti. Scrúdaigh beirt shaineoláí ó IBM an tábhar go léir atá gafa ag FNG agus sholáthraigh siad tuairisc ar dhéanamh na cartlainne agus ar na bealaí chun teacht ar a bhfuil ar fáil istigh inti agus próiseáil a dhéanamh uirthi.

Maisiú ar an Acadamh is ea an tionscnamh seo, agus chiallódh sé an—dul chun cinn ó thaobh staidéar na Gaeilge de an áis luachmhar seo a bheith ar fáil go poiblí ar fuaid an domhain.

Pádraig Ó Riain
Rúnaí don Litríocht Nósmhar agus don tSeandacht

20 October 2001

'Múineadh na Gaeilge ar an dara leibhéal agus ar an tríú leibhéal: cleachtais agus riachtanais', an comhdháil na Coiste Náisiúnta Léann na Gaeilge

30 October 2001

Third Sector Research Programme report launch

9–10 November 2001

'Translations: Paradigms of Linguistic and Cultural Transformation'—research symposium, University of Ulster, Coleraine, organised by the National Committee for Modern Language Studies

13 November 2001

Annual Archaeology Excavations Seminar

15–16 November 2001

'The Crisis of 2001: Values and Interests in the International System'—conference organised by the National Committee for the Study of International Affairs

20 November 2001

Visit of His Excellency Dr Agustín Basave Benítez, the Ambassador of Mexico

26 November 2001

Board for Humanities meeting

26 November 2001

Presentation of the Cunningham Medal awards

27 November 2001

Annual Wittgenstein Symposium, supported by the National Committee for Philosophy, the Austrian Embassy and Anglo-Irish Bank

4 December 2001

'Victorian polymath: Samuel Haughton'—public lecture by Professor David Spearman, PRIA, organised by the National Committee for the History and Philosophy of Science

12 February 2002

Board for Humanities meeting

21–2 February 2002

Greek and Latin Symposium

25 February 2002

'Let Erin remember: the legacy of Thomas Moore, Hon. MRIA (1779–1852)—lecture by Professor Seamus Deane, MRIA, and recital of selected Moore's melodies

Humanities Special Report 1

The Academy in the 21st Century

In 2001–2002 the Academy undertook a major Strategic Review, and as part of that process the Academy organised a symposium in Academy House on 22 October 2001 entitled ‘The Academy in the 21st Century’.

The purpose of the symposium was to bring together the presidents of the Royal Society, ALLEA (All European Academies) and Academia Europaea as well as all the Academy’s stakeholders to discuss the changing role of academies in Europe in the 21st century and how we in Ireland might learn from the experience of other European academies. To set a context for the discourse Professor Stefan Collini of the University of Cambridge first outlined the history and origins of academies from the sixteenth to the twentieth century.

Symposium ‘The Academy in the 21st Century’, Academy House, 22 October 2001. Symposium speakers (from left)—David Spearman, Robert May, Stefan Collini, Stig Strömholm, Pieter Drenth.



Professor Pieter Drenth (ALLEA) told the symposium that ‘one important characteristic set of objectives has united academies throughout history and in their present geographical diffusion: the attempt to further the critical scientific thinking in a society, the desire to

advance top level scientific and scholarly research, and the promotion of independence and freedom of science as a *sine qua non* for its advancement’.

Professor Stig Strömholm (Academia Europaea) observed that throughout Europe learned societies are attracting a great deal more interest from governments and business than was the case. ‘This situation makes it important for academies to consider attentively, on the one hand, what services they can offer to the community in the public interest and, on the other hand, what specific and unique values they represent, so that outward activities, although obviously legitimate and desirable in themselves, do not entail losses of such intellectual and other qualities as have been handed down with remarkable vitality through centuries in these bodies.’

Professor Lord Robert May of the Royal Society addressed the question of how we should conduct the dialogue between science and society, or more specifically between ‘citizen scientists’ and the many different publics whose questions and worries about the consequences of scientific advances need to be heard.

In his presidential address, entitled ‘The Royal Irish Academy—the way ahead’, Professor David Spearman argued that ‘the Academy stands for the whole academic community, not just the membership . . . Many of those who are directly engaged in the work of the Academy on national committees, in research programmes, and otherwise . . . belong to the Academy. The Academy is their Academy and depends on their work loyalty and their commitment.’

Humanities Special Report 2

Third Sector Research Programme

The Third Sector Research Programme aims:

- to encourage a network of researchers with an interest in voluntary or third sector issues; social economy, non-profit, non-governmental or third-sector organisations, and philanthropy;
- to increase the extent and the quality of research in the area;
- to encourage the dissemination of research findings within the academic community and the voluntary sector itself.

Research areas include those aspects of the voluntary or non-profit sector in Ireland or elsewhere that apply to the distinctive features of the activities undertaken, including their interaction with state agencies and the private sector. Other aspects are

- infrastructure, training and support structures;
- definition, history and values of voluntary bodies;
- the economic impact of the sector;

- the financial basis and fund raising practice of the sector;
- the impact of the European Union on the development of the sector;
- impact on broader policy issues;
- the legal and fiscal environment;
- management and governance of the sector.

Competition for awards under this scheme is potentially open to all academic disciplines, but the majority of applications and awards fall within the broad scope of the social sciences. The only precondition is that proposals must be focused on voluntary and community activity. The aim is to develop knowledge, ideas and theories that will be of use to agencies and the sector as a whole.

The research programme solicits applications from postgraduates and teaching and research staff in any third-level institution in Northern Ireland or the Republic of Ireland. In 2001 the Research Committee made awards totalling over €330,000.



The Third Sector Research Programme is a Research Committee under the National Committee for Economics and Social Sciences

The Annual Report of the Third Sector Research Programme was launched by journalist Fintan O'Toole on 30 October 2001.



Postgraduate Awards cover fees and support costs totalling approximately €14,600 per annum. In 2001 the following postgraduate awards were made.

Margaret Gillan, NUI Maynooth
Set to broadcast: community TV in Ireland

Niall Moran, NUI Maynooth
Living together: a sociological analysis of the anti-racist movement in Ireland

Andrea Neligan, Trinity College, Dublin

The output of non-profit organisations: an application to repertoire choice in grant-aided theatre in England and Germany

Stephen O'Shea, Queen's University Belfast
Mediation, nationalism and non-violence in the negotiation of peace in Northern Ireland

Sandrine Roginsky, Queen's University Belfast

The influence of the third sector on social change and social movements: a comparative analysis of Northern Ireland and Ile-de-France

Research Awards are available to any individual or team. Maximum funding available for any application is €63,000 and normally grants will not exceed €38,000 per annum. The Research Grants Assessment Panel met in June 2001 and shortlisted nineteen from over 50 applications. External referee reports were sought and received from five external referees, all of whom were based outside the island of Ireland. Eight research awards were supported in 2001.

Professor Christine Bell
E-mail: c.bell@ulst.ac.uk
School of Public Policy, Economics and Law, University of Ulster, Magee College (Stg€11,260)
Human rights, NGOs and the difficulties of transition: lessons for civic society

Dr Richard Boyle
E-mail: rboyle@ipa.ie
Research Division Institute of Public Administration (€32,000)
Maintaining voluntary sector autonomy while promoting public accountability: managing government funding of voluntary organisations

Dr Seán Connor
E-mail: sconnor@wit.ie
Waterford Institute of Technology (€35,000)
The functional implementation of volunteerism in a civil society

Dr Gemma Donnelly-Cox
E-mail: gdnnllyc@tcd.ie
Centre for Nonprofit Management, Trinity College (€35,000)
Informing non-profit sector practice from research: a pragmatically-valid, theory-grounded approach

Piaras Mac Éinrí
E-mail: p.maceinri@ucc.ie
Irish Centre for Migration Studies,

University College Cork (€35,000)
The role of NGOs and local community organisations in the reception and integration of asylum seekers, refugees and immigrants in Irish society

Dr Pádraig Mac Neela
E-mail: padraig.macneela@dcu.ie
School of Nursing, Faculty of Science and Health, Dublin City University (€35,000)
The antecedents, experience and consequences of volunteering: the role of the individual, organisation and society

Professor John Morison
E-mail: J.morison@qub.ac.uk
School of Law, Queen's University Belfast (Stg€4,832)
Partnership governance, organic democracy and the creation of new civic space: a comparative examination of Irish and UK mechanisms for civil society participation in governance within a European framework

Dr Arthur Williamson
E-mail: AP.Williamson@ulst.ac.uk
Centre for Voluntary Action Studies, University of Ulster at (Stg€30,612)
Two paths, one purpose: a comparative study of the voluntary sector in Northern Ireland and the Republic of Ireland

Postgraduate Essay Prizes
The assessment panel recommended two awards, each worth €1,270.

Margaret O'Keefe
University College Cork
Citizenship, social inclusion and social partnership

Kendo Otaka
Magee College, University of Ulster
Partnership: a new mechanism of local governance?

humanitiesinternationalprojectslibrarypublicationsappendices

Humanities Awards 2001–2002

Scholarship in the Humanities

Eoin O'Mahony Bursary Awards
in Irish History 2001

Bust of Eoin (the 'Pope') O'Mahony (1904–70) by Seamus Murphy, RHA, in Academy House.

**Samuel Fannin**

Continued study of Irish emigrant families to Spain in the 18th century

David Murphy

Ireland and the Crimean War

Coleman Dennehy

Parliament in Ireland, 1661–6

Priscilla O'Connor

Irish clerics in the University of Paris, 1680–1760

Jeremiah Falvey

Sir John Arnott: his life and times

Richard Aylmer

Lord Edward FitzGerald, 1763–98

Patricia O'Connell

Study of the Irish clerical students at the University of Évora, Portugal

Daniel Wilson

Second stage migration of 19th-century Bann Valley emigrants

National Committee for Archaeology
Research Grants 2002**P. Harbison**

To assess the state of monuments in Connacht drawn by Beranger and Bigari in the late 18th century

J. Sheehan, S. Stummann Hansen and M. Sikora

To publish mid-19th-century watercolours of Irish artefacts in the National Museum of Denmark

E. O'Donovan

To study human remains from Irish rivers

National Committee for Archaeology
Excavation Grants 2002**C. Jones**

Parkanabinnia, Co. Clare: court tomb

G. Stout

Knowth, Co. Meath: earthwork

G. Cooney

Lambay Island, Dublin: neolithic complex

G. Cooney

Behy, Co. Mayo: court tomb

E. Fitzpatrick

Aughris, Co. Sligo: enclosure

International Report

The Academy provides support for both individual and collaborative research with foreign scholars through a network of links with partner institutions and academies abroad. It supports bilateral research visits between Ireland and Austria, France, Hungary, Poland and Britain. These enable Irish scholars to work abroad and foreign scholars to visit Ireland. On average 50 collaborations are funded each year. The schemes offer support for short-term study visits of up to six weeks or long-term research networks of six months to two years. The aim is to encourage international scholarly collaboration and add value to research through this networking.

The following persons took up fellowships or study visits in 2001:

Austrian Academy Exchange Scheme

Professor H. Birkhan, University of Vienna

Research at DIAS for publication of 'Introduction to Celtic Studies'



British Academy Exchange Scheme

Dr M. Connolly, University College Cork

Index of Middle English prose in the manuscripts of Cambridge University Library

Host institution: Cambridge University Library

Dr R. Sinnott, University College Dublin

Political knowledge, political sophistication and electoral participation

Host institution: Nuffield College, Oxford

Dr M. Ní Annracháin, NUI Maynooth

Figurative language in Modern Irish and Scottish Gaelic literature

Host institution: Sabhal Mór Ostaig, University of the Highlands and Islands, Scotland



Palace of the Hungarian Academy of Sciences' regional committee in Pécs.

Hungarian Academy Exchange Scheme

Dr P. Muldowney, Magee College, University of Ulster

Non-absolute integration in stochastic analysis

Host institution: Mathematical Research Institute, Hungarian Academy

Dr I. Dix, NUI Maynooth,
Cytological characterisation of the insect parasitic nematode Heterorhabditis bacteriophora using confocal microscope

Host institution: Biological Research Centre, Hungarian Academy

Dr D. Pődör, Department of Linguistics, Károli Gáspár University of the Reformed Church, Hungary
Medieval Irish poetry

Host institution: Trinity College, Dublin.

Professor Z. Taylor, Institute of Geography and Spatial Organisation, Polish Academy of Sciences

Transport and human geography
Host institution: Trinity College, Dublin.

Polish Academy Exchange Scheme

Ms N. Giffney, University College Dublin

Was the second redaction of the Ystoria Mongalorum produced in Poland?

Host institution: Polish Academy Library

Professor D. A. Gillmor, Trinity College, Dublin

Land use and rural development

Host institution: Institute of Rural Development, Warsaw

Dr J. Breen, University of Limerick

Heavy metal levels in invertebrates in areas contaminated by mining activities in Poland: collection of specimens for analysis

Host institution: Agricultural University of Krakow



Royal Society Exchange Scheme

Study Visit

Dr A. Bell, Trinity College, Dublin

The role of Plasmodium falciparum subtilisin-like proteases in host cell invasion in malaria

Joint Research Projects

Dr D.T. Croke, Royal College of Surgeons in Ireland, and **Professor R. Ward**, University of Oxford

Genetic variation at the galactose-1-phosphate uridylyl transferase locus in Europe

Dr M. Shellekens, University College Cork, and **Professor A. Jung**,

Birmingham University

Quantitative domain theory

Senior Visiting Fellowships

Professor J. Dalton, School of Biotechnology, Dublin City University

Expression and characterisation of schistosomiasis vaccine candidates (cathepsin Ls.)

Host institution: Tulane University, Center for Infectious Diseases, New Orleans

Professor J. Glennon, University College Cork

Microseparations based on membrane technology and capillary electrophoresis

Host institutions: University of Montpellier, University of Salerno

Professor C. Kidd, University of Aberdeen

The mechanisms responsible for the role of nitric oxide in the control of heart rate by automatic nerves

Host institution: University College Cork

Dr S.V. Titov, Russian Academy of Sciences

Inertial effects in non-linear relaxation processes of Brownian particles in strong external fields

Host institution: Trinity College, Dublin

International Representation

A primary function of the Academy is to act as a national affiliating body to the important international scientific organisations. In this way Irish scholars have a direct channel of communication, through the Academy, with such organisations as the International Council of Scientific Unions (ICSU) and the European Science Foundation (ESF). They provide a unique mechanism for scientists to work together on topics of common concern and facilitate a range of interdisciplinary and international research programmes.

The Royal Irish Academy is one of Ireland's founding member organisations of the ESF. Ireland's other affiliated members are the Health Research Board, Enterprise Ireland, and the Irish Research Council for the Humanities and Social

Sciences. The Academy nominates the Irish members to the Standing Committees for the Humanities and the Social Sciences. Between March 2001 and March 2002 Professor Eda Sagarra attended the Standing Committee Meetings in London, Rome, Strasbourg and Reykjavik. Ms Laura Mahoney attended the Humanities and Social Science meetings with senior administrators in Paris and Stockholm, and the European Exchange Programme meeting in Prague, Czech Republic. Professor Michael Laver is Ireland's nominee to the Standing Committee for the Social Sciences and serves on the advisory board of the European Social Survey. Professor David Spearman, President of the Academy, continues to serve on the ESF Governing Council.

International bodies to which the Academy is affiliated

ACIS – American Conference for Irish Studies
 AIEA – Association Internationale des Études Armeniennes
 AIEB – Association Internationale des Études Byzantine
 ALLEA – All European Academies
 CAIS – Canadian Association for Irish Studies
 CDRILA – Conference of Directors and Representatives of Institutes of International Affairs
 CIPL – Permanent International Committee of Linguistics
 EPS – European Physical Society
 ESF – European Science Foundation
 FIEC – International Federation of the Societies of Classical Studies
 FISP – International Federation of the Societies of Philosophy
 IAU – International Astronomical Union
 ICO – International Commission for Optics
 ICMI – International Commission on Mathematical Instruction
 ICSU – International Council of Scientific Unions
 IGBP – International Geosphere Biosphere Programme

IGU – International Geographic Union
 IMU – International Mathematical Union
 INQUA – International Union for Quaternary Research
 IUBMB – International Union of Biochemistry and Molecular Biology
 IUBS – International Union of Biological Sciences
 IUGG – International Union of Geodesy and Geophysics
 IUGS – International Union of Geological Science
 IUHPS-DHS – International Union of History and Philosophy of Science, Division of History
 IUHPS-DLMPS – International Union of History and Philosophy of Science, Division of Logic, Methodology and Philosophy of Science
 IUNS – International Union of Nutritional Sciences
 IUPAC – International Union of Pure and Applied Chemistry
 IUPAP – International Union of Pure and Applied Physics
 IUTAM – International Union of Theoretical and Applied Mechanics
 SIL – International Society of Limnology
 URSI – International Union of Radio Science

Academy Delegates to International Meetings 2001–2002

ALLEA –
 Professor D. Spearman,
 PRIA, Munich, March
 2002

IUHPS –
 Dr C. Moriarty, Mexico,
 July 2001

GBP –
 Dr G. Mills, Amsterdam,
 June 2001

IUNS –
 Ms J. Dowsett, Vienna,
 August 2001

IUPAC –
 Professor A.F. Hegarty,
 MRIA, Brisbane,
 Australia, July 2001

These international organisations provide a forum through which the research undertaken in Ireland's universities can be represented on a world-stage. They provide invaluable links to ensure that Ireland's academics are fully accredited with their colleagues throughout the world.

Projects



Dr Anthony Harvey,
DMLCS Editor.

Dictionary of Medieval Latin from Celtic Sources

The first component volume of the Dictionary of Medieval Latin from Celtic Sources (DMLCS) will be the Lexicon of Celtic non-classical Latinity, A–H, which is to be published initially in book form. The entries for the letter C—by far the largest in the entire Lexicon—were completed early in the reporting year, and almost all of F by its end. This leaves only the small letter H and some addenda to be compiled for this first volume.

The goal of the DMLCS project is the compilation of a definitive dictionary of Celtic Latin, working from a searchable database of all known texts. A first, preliminary edition of that full-text database is already available from Brepols Publishers on CD-ROM under the title Royal Irish Academy Archive of Celtic-Latin Literature (ACLL); but the completion of the database is a key objective, and two further editions are envisaged. Nearly 1000 pages of additional computer-captured material were worked on by the DMLCS staff for this purpose during the year. Ultimately, the plan is for dictionary and database to be combined electronically as a self-interpreting compendium of Celtic Latinity.

The project's Celtic-Latin Word-List, originally drafted for the whole alphabet with the assistance of the British Academy, is kindly hosted online by Queen's University Belfast with the assistance of an annual grant from the Department of Education of Northern Ireland. As an advance catalogue of the words that are in course of treatment for the Lexicon, the Word-List regularly prompts enquiries from researchers at home and abroad.

Irish Historic Towns Atlas

Cities were the main emphasis of the work in 2001–2002, as Dublin, part I, to 1610, by Howard Clarke was completed and work progressed on Belfast, part I, to 1840, by Raymond Gillespie, MRIA, and Stephen Royle. Both publications represent the first in a series of large city atlases that will trace the historical development of Dublin and Belfast, with separate fascicles covering major growth phases.

Alongside this work on the cities, mapping progressed with the preparation and digitising of the four-colour reconstruction plan, dated c. 1840, for Fethard, Co. Tipperary. Research for Dublin, parts II (1610–1756), III (1756–1846) and IV (1846–1900), Belfast, part II (1840–1900), and Armagh continued apace, while contributors advanced with the compilation of fascicles on Derry, Trim and Wicklow. Work was also initiated for an atlas on Galway.

Grants towards research and production were received from Armagh City Council, Belfast City Council, the Heritage Council, the Ireland Funds and the Replogle Foundation.

The international element of the scheme was highlighted by visits from Tiina Salminen and Marti Helminan of the Helsinki towns atlas project in May 2001. In September 2001 Anngret Simms, MRIA, represented the Irish project at the International Commission for the History of Towns meeting in Bologna.

The fascicles on Carrickfergus, Bandon, Kells, Mullingar and Athlone were reprinted and are now available along with the other towns in the series: Maynooth, Downpatrick, Bray and Kilkenny.



Ms Sarah Gearty (left), IHTA
Cartographic Editor and
Project Administrator, and
Ms Angela Murphy, IHTA
Editorial Assistant.

Foclóir na Nua-Ghaeilge

Cuireadh bail is críoch ar thiomsú an chorpais leictreonaigh de théacsanna ón tréimhse 1600–1882 (7,500,000 focal reatha); na téacsanna féin gafa, seiceáilte, marcáilte agus a n-anlann áiseanna mínithe agus aisghabhála leo—eolas bibleagrafach, noda, dátaí, údair, cineálacha, liosta na bhfocal sa chorpas, fearas forbartha ríomhaireachta.

Iarradh ar IBM moltaí neamhspleácha a thabhairt ar na modhanna ina bhféadfaí an corpas a chur ar fáil; tá sin déanta anois agus táthar ag súil len é a fhoilsiú gan mhoill.

Tháinig méadú mór ar líon na scoláirí taighde ar freagraíodh ceisteanna uathu ar an nguthán nó ar cuireadh áiseanna taighde ar fáil dóibh ar fhoinsí neamh-foilsithe agus ríomhraithe an tionscadail.

Bhí an tionscadal i gcónaí faoi chomaoin mhór ag an Dr Ciarán Ó Duibhín as a chúnamh i gcúrsaí forbartha ríomhaireachta.

The compilation of the electronic corpus of texts from 1600 to 1882 was completed (7,500,000 running words). This entailed the capture, checking and mark-up of the texts together with the provision of explanatory material and retrieval facilities—bibliographic information, reference abbreviations, dates, authors, classification, word-list from the corpus and development of computer facilities.

IBM was requested to make independent recommendations in regard to the most suitable methods of making the corpus available; on foot of their recommendations, it is hoped to publish it shortly.

An increasing number of queries were received from research scholars. These queries were answered by telephone, or research facilities were

provided, giving access to the unpublished and the computerised sources within the project.

The project is greatly indebted to Dr Ciarán Ó Duibhín for his continuing assistance in the development of computer facilities.

Documents on Irish Foreign Policy

The Documents on Irish Foreign Policy (DIFP) project remains on schedule, with volume III of the series due to be published in the autumn of 2002. This volume will chart the development of Irish diplomacy and foreign policy from 1926 to 1932. Initial research has begun on volumes IV and V, which will cover the years 1932 to 1939. Volumes I and II continue to sell well in Ireland, Europe and North America and are being used as teaching aids in Irish history courses at Irish and British third-level institutions. DIFP is now being cited regularly as a source in monographs and articles in academic journals.

From March to December 2001 the project completed the research for volume III. After assessing over 2,000 documents for inclusion in the volume, the editors made a final choice of 646. These documents cover Irish League of Nations policy and Commonwealth policy as well as significant aspects of bilateral relations, such as the opening of diplomatic contacts with the Vatican, France and Germany in 1929 and the first overseas visit of an Irish prime minister—W.T. Cosgrave—to the United States of America in 1928. Pre-publication work for the volume began in January 2002: the select documents have been edited by the Executive Editor and footnoted by the editorial team and are currently being copy-edited and typeset. Volume III will be the largest volume yet published in the DIFP series.



Dr Michael Kennedy, DIFP Executive Editor, and Ms Sanchia O'Connor, DIFP Editorial Assistant.

Projects Special Report 1

The Dictionary of Irish Biography

**6,300
Biographical
Entries Written**
By March 2002 the editors of the Dictionary of Irish Biography had received 6,300 biographical entries. This represents 70 per cent of the 9,000 biographical entries that will make up the six-volume dictionary, which is due to be published by Cambridge University Press in late 2005.

*Dr James Quinn,
DIB Executive Editor (left),
and Mr James McGuire,
DIB Managing Editor.*

The Dictionary of Irish Biography (DIB) will be the internationally recognised biographical reference work for Ireland. It will outline and assess the careers in Ireland and overseas of prominent men and women born in Ireland and the noteworthy Irish careers of those born outside.

Biographical entries range in length from 200 to 10,000 words. The lives covered include artists, architects, scientists, journalists, actors, musicians and composers, bankers, sportsmen and sportswomen, religious figures, writers in Irish and English, engineers, criminals, public servants, politicians and philanthropists. The chronological scope of the DIB extends from the earliest times to the beginning of the 21st century. If Ailbe, early sixth-century patron of Emly, is included, so too are David Huddle (1916–98), Rolls-Royce engineer; Louie Bennett (1870–1956), trade unionist; Roderick O’Flaherty (1629–1718), historiographer; Norah McGuinness (1903–80), painter; and Paul O’Dwyer (1907–98), New York lawyer and political activist.



In the course of 2001–2002 the DIB established close links with the Irish Academy of Engineering, which has appointed Dr Ron Cox as Editor-in-Chief of its history of the Irish engineering profession. The DIB also has

valuable collaborations with Dr Rolf Loeber and Dr Magda Stouthamer-Loeber, who are jointly editing a bibliography of Irish fiction 1700–1900, and Professor Laurence Brockliss of Magdalen College, Oxford, who is directing a prosopographical study of the medical profession in Britain and Ireland in the first half of the nineteenth century.

The public and scholarly appetite for a biographical dictionary for Ireland has always been strong. As word spreads that the Academy’s multi-volume dictionary will be available in late 2005 the enthusiasm grows, as evidenced in letters received from Ireland and abroad in the DIB office: ‘badly needed’, ‘a great undertaking’ and ‘a publication we eagerly await’. This public interest in the project’s work comes alive at meetings and seminars. These occasions provide a welcome opportunity for the editors to spread the word about the dictionary and in turn to receive advice and offers of help. Recent examples are the Managing Editor’s talk to the Border Counties History Collective (May 2000), his paper to the Contemporary History Seminar in TCD (April 2001), and the Executive Editor’s lunch-time paper at the Linen Hall Library, Belfast (May 2001).

Enthusiasm for the DIB is given concrete expression in the number of external contributors who have agreed to write entries either on major figures or on more esoteric subjects who fall within their own area of specialist knowledge. It is encouraging that some 350 external contributors have signed on and that so far 61 per cent have submitted copy. The core of the DIB is being written by a dedicated in-house staff, who bring their special areas of scholarly expertise to the writing of biographical entries. It is thanks to their industry and commitment that the dictionary is on course to meet its commitments with the publisher.

New Survey of Clare Island

Following the launch on 30 March 2002 by Dr Mary Robinson, MRIA, of *Volume 2: Geology*, edited by John R. Graham, the New Survey of Clare Island is moving forward to complete *Volume 3: Marine intertidal ecology*. The marine intertidal fieldwork has been completed, but there has been an abundance of exciting fieldwork activity on the island this year towards the remaining zoological, botanical and archaeological volumes.

Professor Alan Myers, editor of Volume 3, has described the shores of Clare Island as some of the most exposed in western Europe. One of their survey sites at Leckacanny was so exposed that the team could only go there on certain rare occasions of calm weather. His work concentrated on ecological 'key' species of rocky shores such as algae, limpets, barnacles, mussels, dog-whelks, fish and birds. Professor Myers is developing baseline data for the intertidal region. These data would allow assessment of the effects of pollution on this vulnerable zone. A seminar on the island is planned for September 2002, when some of the marine survey fieldworkers will report on their work and findings.

Dr Kieran McCarthy of NUI Galway, editor of the freshwater and terrestrial zoology volume, is directing a survey of the island's aquatic communities, which is funded by the Higher Education Authority. He aims to establish a complete inventory of the island's aquatic fauna as an Internet-accessible database that will enable researchers, both in Ireland and abroad, to relate their studies to baseline, near-pristine conditions that still prevail on Clare Island.

The marine intertidal survey will be published in late 2002. It will consist of contributions from ten authors from the



north and south of Ireland. Over the next five years it is also hoped to produce the following volumes:

The Abbey

Editors: P. Gosling (GMIT), C. Manning (Dúchas), J. Waddell (NUIG)

Archaeology

Editors: P. Gosling (GMIT), C. Manning (Dúchas), J. Waddell (NUIG)

Botany Part 1: Flora

Editor: G. Doyle (UCD)

Botany Part 2: Vegetation, quaternary and soils

Editor: G. Doyle (UCD)

Zoology Parts 2/3: Freshwater and terrestrial zoology

Editors: T.K. McCarthy (NUIG), J. Breen (UL)

Zoology Part 4: Marine and freshwater birds

Editor: T. Kelly (UCC)

Zoology Part 5: Marine sub-tidal

Editors: B. Keegan (NUIG), M. Guiry (NUIG)

New Survey of Clare Island, launch of Volume 2: Geology, in Westport, Co. Mayo, 30 March 2002. From left—Professor David Spearman, PRIA, Rosemary Steen (Enterprise Energy Ireland), Dr Mary Robinson (UN High Commissioner for Human Rights), Alan McLachlan (Enterprise Energy Ireland), and Karen Cahill (Enterprise Energy Ireland).

The work of the Survey benefited greatly in 2001 from the award of the following grants: €19,046 from Enterprise Energy Ireland, the developers of the Corrib gas field, who sponsored the production of *Volume 2: Geology*; €12,697.38 per annum for 2001–2002 from the RIA Bicentennial Trust Fund; a two-year Heritage Council grant of €36,822.40, which will fund the study of the terrestrial and freshwater invertebrate communities on the island; and the HEA grant to NUI Galway of €214,661.92 to fund the aquatic communities work.

Library

RIA/Linen Hall Library lunchtime lectures

The second series of RIA/Linen Hall Library lunchtime lectures took place in Belfast during April/May 2001. Siobhán O'Rafferty, Bernadette Cunningham and Dr James Quinn (DIB), spoke to audiences at the Linen Hall about the formation and role of the Academy and its Library, about Irish manuscripts among the collections and about the Dictionary of Irish Biography project.

Page 2 of MS B.ii.1, a translation of an early astronomical work, which has been digitised as part of the ISOS project.

This was a year of consolidation, of exciting initiatives and of detailed preparation for far-reaching changes in 2002–2003. Since the Library's foundation in 1785 it has never been able to boast such a high level of staffing or funding. This is due in no small measure to funding secured in 2002 for the International Access to the Academy Library Holdings Project.

International access to the Academy Library

In February 2002, international funding body Atlantic Philanthropies and the Higher Education Authority generously awarded major funding to the Library to undertake a cataloguing, conservation and preservation project entitled International Access to the Academy Library Holdings. The objectives of the project are:

- to re-catalogue most of the older print collections, including the Haliday Pamphlet Collection, the Moore and Bergin libraries and other pre-twentieth-century works;
- to catalogue selected collections of antiquarian drawings;
- to catalogue selected archival collections;
- to photograph the catalogued drawings for preservation and digitisation purposes;
- to conserve selected archival collections;
- to microfilm selected archival collections and the Haliday Pamphlet Collection.

The microfilming element of the project will take place in Trinity College, Dublin, with the cooperation of Trinity College Library. The project will employ

two cataloguers, an archivist, a library assistant and a microfilm operator. The collections selected for cataloguing, conservation and preservation are research collections of the first grade and are of international repute such as the Haliday Pamphlet Collection. This project will enable the Library to achieve its objective of bringing the rich holdings of the Academy to the attention of the worldwide research community and the general public via the Web.

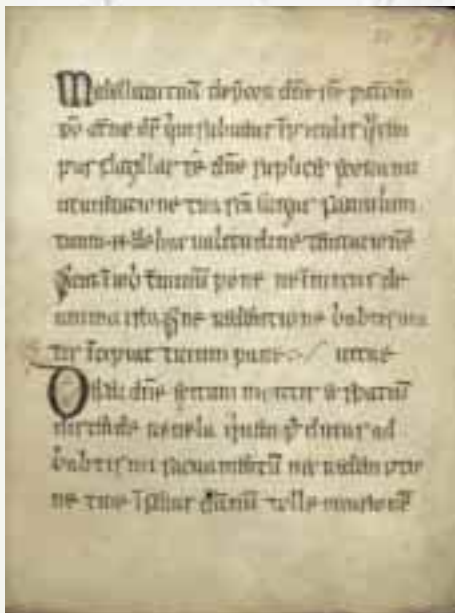


Library catalogues on the Web

In line with our professed aspiration to make the Library catalogues available on the Web, much planning and effort went into upgrading our computerised catalogue to a system which would be flexible and user-friendly while having the capacity to manipulate large quantities of data, both textual and illustrative. DB/Textworks and Web Publisher were purchased at the end of 2001 and installed in February 2002. New online databases have been created for manuscripts and for members of the Academy, current and past. This members' database draws on archival and printed sources and should be an invaluable tool for researchers.

Irish Script on Screen project

In 2001–2002 the Library agreed to participate in the Irish Script on Screen (ISOS) project, managed by the Dublin Institute for Advanced Studies/School of Celtic Studies in association with Dublin City University/School of Computer Applications. The project aims to make good quality digitised images of Irish manuscripts available on the Web to highlight a vital part of our cultural heritage, to place primary resources at the disposal of scholars and students and as a preservation measure. The Stowe Missal, the Book of Lecan, the first volume of the Annals of the Four Masters, Lebor na hUidre, the Book of the O'Lees and several astronomical and medical manuscripts have been digitised by Dr David Cooper and Mr Colin Dunn on behalf of ISOS.



The Web data accompanying the digitised images include catalogue records for the manuscripts, and the Library has provided an introduction to the Academy section of the site: www.isos.dcu.ie



Thomas Moore anniversary

On 25 February 2002, the Library opened an exhibition, 'Let Erin remember: Tom Moore 1779–1852'. This exhibition commemorates the 150th anniversary of the death of Moore in 1852. Moore was elected an honorary member of the Academy in 1846, and his widow donated the bulk of his library to the Academy in 1855. The exhibition draws on archival and printed materials, photographs and other memorabilia to illustrate the colourful albeit poignant life of a poet who was revered throughout Europe and North America in the nineteenth century. Also on 25 February, a commemorative evening was held during which Seamus Deane, MRIA, delivered a lecture entitled 'Let Erin remember: the legacy of Thomas Moore, Hon. MRIA' and soprano Kathleen Tynan, accompanied by pianist Dearbhla Collins, sang a selection of Moore's melodies to the delight of a capacity audience.

Conservation

Early in 2002, the Heritage Council announced that it would fund the conservation and repair of a collection of 49 letters, deeds and other miscellaneous documents from the seventeenth to twentieth centuries known as the Autograph Collection (MS 3.D.8). The collection includes the signatures of James II, William III, Marshal Schomberg, Oliver Goldsmith and Leonhard Euler. The Library gratefully acknowledges the Heritage Council's generous grant.

Ó Cléirigh Glossary donation

A copy of an Ó Cléirigh Glossary of the eighteenth to nineteenth century was the gift of an anonymous donor in July 2001 to whom we are indebted. The manuscript includes a four-page section headed 'A collection of Irish words which never appeared in any Irish lexicon'. The Library is proud of its rich collection of manuscripts in the Irish language and welcomes donations of manuscripts and early printed works.



Pages 94–5 of *Micheál Ó Cléirigh's* (1575–c.1645) glossary, *Foclóir nó sanasan nua...* (MS 23.A.57).

Left—Folio 50r of the *Stowe Missal* (MS D.ii.3), which has been digitised as part of the ISOS project.

Publications

Right—Reprint, with new cover of Ireland and insular art, AD 500–1200.

During the period of this report the Academy continued its publishing programme. Publishing was identified as a key pillar of the Academy's activities in the Strategic Plan.

Periodicals

The *Proceedings of the Royal Irish Academy* formed the main bulk of published material in the past year, 45 papers being published in Volume 101 (Sections A, B and C). Section A of *Proceedings* is now published in journal format as *Mathematical Proceedings of the Royal Irish Academy* (two issues per year); Section B is also published in journal format as *Biology and Environment: Proceedings of the Royal Irish Academy* (three issues per year). Papers submitted to Section C, which covers primarily archaeology and history, are still published individually in fascicle format (averaging six fascicles per year). In addition to the *Proceedings*, the Editorial Office handled *Ériu* (vol. 52), *Irish Journal of Earth Sciences* (vol. 19) and *Irish Studies in International Affairs* (vol. 12). The last of these has grown in terms of page extent and number of subscriptions in recent years and is attracting increased attention from students and practitioners in foreign affairs in Ireland and abroad.

Monographs

The major book of the year was the second volume in the New Survey of Clare Island series, edited by John Graham, which focuses on the geology of the island (see opposite). Other important monograph publications were the reprint of the 1987 Academy title *Ireland and insular art, AD 500–1200*, edited by Michael Ryan. The reprint contains the proceedings of the first conference on insular art held in Ireland in 1985 as part of the Academy's bicentennial celebrations. The book had



been out of print, but in great demand, for many years. The Academy also published, on behalf of the Discovery Programme, the sixth volume in their monograph series: *Foragers, farmers and fishers in a coastal environment* by Aidan O'Sullivan. The Academy is pleased to be associated with the Discovery Programme. Reprints of Academy publications *Bethú Phatraic* (1939) and *Early Irish Metrics* (1961; reprinted 1973) are being investigated at the suggestion of Coiste Naisiúnta Léann na Ghaeilge, the national committee for Irish studies.

Strategic review of publications

As part of the overall strategic review process, two external reviewers from UK-based scholarly publishing houses were invited to review the throughput of publications. Sharon Toop (Institute of Physics Publishing) and Ella Harris (Cambridge University Press) spent 11 and 12 February 2002 working closely with the editorial and publications staff in the Academy, focusing mainly on issues relating to manuscript adminis-



For further information on the Discovery Programme, see: www.discoveryprogramme.ie

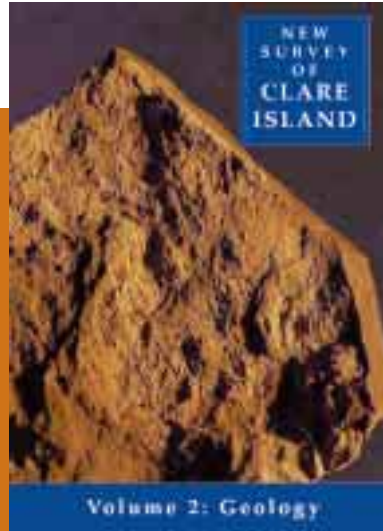
tration and processing, by internal and external editors, and on editorial and production procedures. This long-overdue review of the existing structures was welcomed by the staff, and the two days spent with the externs were very productive. Prior to this stage of the review of publications, the editorial and publications staff had supplied detailed information and recommendations to the Strategic Plan Steering Committee's working group on publications. The next stage of the review process will focus on the academic standing of the Academy's periodical portfolio. A working group will also be set up to review and develop electronic publishing strategy as part of the overall strategic plan.

Online publications

Following four years of cooperation between the Department of Computer Science at Queen's University Belfast and the Academy's IT and editorial staff, the RIA periodicals web site was finally transferred to the RIA server in spring 2002. This will allow for easier and more regular updating of the site. As soon as resources permit, the existing publications site (monographs and periodicals) is in line for restructuring to make it more user-friendly.

Training

In order to keep abreast of the rapid changes in technology within the publishing industry worldwide and to adopt best practice in publishing procedures, RIA editorial staff attended courses run by CLÉ (Irish Book Publishers' Association), Business2Arts (the Irish business council for the arts) and the UK-based Association of Learned and Professional Society Publishers.



New Survey of Clare Island

Volume 2: Geology

Edited by John R. Graham

Softback: 297 x 210mm; 128pp with index, bibliography and fold-out map.

ISBN 1 874045 91 7

€30.00 All rights available

This, the second volume in the series, examines the geology of Clare Island. The island's physical appearance today reflects a geological history of over 500 million years. Many geological boundaries, now expressed as faults, run through the island. Repeated movements along these faults have produced the complex distribution of rock types that continues to fascinate geological researchers. Articles in this volume provide an introduction to the geology of the island and its Silurian and Carboniferous rocks, interpret the age of the Ballytoohy Formation of the northern part of the island using fossil microflora, describe the enigmatic fossil *Peltoclados clarus* found in the Silurian rocks, discuss rocks that have intruded from considerable depth beneath the island and consider the history of the last two million years, the Quaternary period, using evidence from fossil pollen.

John R. Graham is a Senior Lecturer in the Department of Geology at Trinity College, Dublin. He was elected Fellow of the college in 1985 and currently lectures in sedimentology, stratigraphy and aspects of Irish geology. He has worked on sedimentological aspects of rocks varying from Ordovician to Carboniferous age in many parts of western Ireland from West Cork to Donegal.

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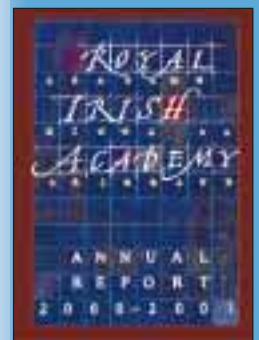
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Annual Report

Working closely with colleagues in administration and with a professional designer, the Editorial Office handled the editing and production of the new-look *Annual Report 2000-2001*. Feedback from members of the Academy and other stakeholders on the new format was very positive.



Appendix 1

Academy Committees

Membership as at 31 May 2002

Academy Committees are established by Council to advise on the Academy's research projects, publications, award schemes or other internal affairs. In addition, a number of Consultative Committees have been set up in areas that are under-represented in Irish third-level institutions and therefore could not support full national representation.

The letters C or S after a name denote Chairperson/Cathaoirleach or Secretary; Dep. C denotes Deputy Chairperson; Min. S denotes Minutes Secretary; Man. Ed. denotes Managing Editor; Exec. Ed. denotes Executive Editor; Cons. Ed. denotes Consultant Editor; O denotes Observer.

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Appendix 2

National Committees and Commissions

Membership as at 31 May 2002

The first National Committees were established by the Academy in 1955–6 at the request of the Department of Education. The primary role of each National Committee is to provide a national adhering body for Irish membership of the relevant international academic bodies and to coordinate and promote their respective academic discipline throughout the island of Ireland. The membership of each National Committee consists of members directly appointed by Council and members nominated by Irish third-level institutions and professional associations.

The committees/commissions are listed here alphabetically by subject/discipline; sub-committees/commissions are highlighted in italic beneath the respective disciplines.

The letters C and S or R after a member's name indicate Chairperson/Cathaoirleach and Secretary/Rúnaí respectively.

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L. Drury
A. Fitzsimmons
P.S. Florides
B. Harvey
B.P. McBreen
S. McKenna-Lawlor
E.J.A. Meurs
F. Murtagh
B. O'Donnell
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M. Redfern (C)
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K. McGeeney
M. McKillen
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R. O'Kennedy
C. O'Neill
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J.I. Burke
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H. Hughes
J.M. Kelly
P. McArdle
T.B.H. McMurry
J.F. Malone
M. Moran
R.A. More O'Ferrall
K. Nolan
J. Rowley
N. Russell
J. Vos (C)

Economics and Social Sciences

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G. Boyle
M. Daly
D. Dineen
S. Fountas
J.A. Jackson
G.M. Kiely D. Jacobsen
M. Laver
M. MacLachlan (C)
F. Powell
L. Taylor
J. Walsh
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J. Reynolds
J. Ryan
J. Silke
J.G. Wilson
R.B. Wood

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P. Childs
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