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Catalogue of the papers and correspondence of

**Sir William Hunter McCrea FRS**

(1904-1999)

**VOLUME II**

Section E: Lectures

Section F: Societies and organisations

Section G: Visits and conference

Section H: History of science and scientific biography

by Peter Harper and Timothy E. Powell

NCUACS catalogue no.138/3/05

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<b>SECTION E</b>	<b>LECTURES, E.1-E.531</b>	<b>1931-1993</b>
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A chronological sequence of drafts and related material for McCrea's public and invitation lectures. A little undated material is at E.520-E.525.

A small number of lectures by colleagues are presented at E.526-E.531.

E.1-E.3	'Maxwell & Tait Centenary 1931 Notes for E.M.S lecture etc'.	1931
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Contents of envelope so inscribed divided into three for ease of reference: manuscript notes, manuscript and typescript drafts.

E.4, E.5	'Chromosphere & Corona, B.A., 1933'	1933
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Contents of folder so inscribed divided into two for ease of reference: manuscript notes for McCrea's British Association paper.

E.6	'Geometry & Physics, British Association, Norwich'	N.d. [1935]
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Contents of folder so inscribed: manuscript notes and printed papers for Norwich meeting.

McCrea talked on 'An attempt to examine the relation between physical postulates and mathematical axioms in general mechanical theories'.

E.7	'Scattering of light Integral equations Oslo 1936'	1936
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Contents of folder so inscribed: manuscript working and drafts.

McCrea talked on 'Some astrophysical problems concerning the scattering of light' at the International Congress of Mathematicians, Oslo, 1936.

E.8	'Solar System British Association 1936 Blackpool'	1936
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Contents of folder so inscribed: manuscript draft.

McCrea talked on 'The binary star hypothesis of the origin



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of the solar system' at the British Association meeting in 1936.

E.9 'Intermediate School, Newry, Prize Giving 1936 Nov.' 1936

Contents of folder so inscribed: manuscript draft of McCrea's address at the school prize giving, headmaster's report, printed leaflet about the school.

E.10 'Expanding Universe Notes Colloq 1939 March Q.U.B' 1939

Contents of folder so inscribed: manuscript notes.

E.11 'Solar System RAS [Royal Astronomical Society] July 1945' 1945

Contents of folder so inscribed: manuscript draft titled 'Origin of planetary systems' and headed 'RAS Discussion 13.7.45'.

E.12-E.21 'Physics and the Astronomical Universe', Royal Institution Evening Discourse, 22 November 1957 1957

E.12 'Royal Institution 1957 Nov 22' 1957

Contents of folder so inscribed: correspondence including invitation from W.L. Bragg, abstract, lecture ticket etc.

E.13-E.21 'R.I. 1957 Nov 22' 1957

Contents of folder so inscribed divided into nine for ease of reference: manuscript and typescript drafts for McCrea's lecture.

E.22-E.33 'Space Flight' 1958

Contents of folder so inscribed divided into twelve for ease of reference: correspondence, manuscript notes and drafts, printed background material including press-cuttings.

McCrea gave a talk at a youth conference entitled 'Britain



Lectures, E.1-E.531

enters the space age' sponsored by the Air League of the British Empire, 14 April 1958. He discussed the place of space travel in current scientific and technological developments.

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|-----------|---|-----------|
| E.34-E.40 | '“Survey” and various notes on USSR'  | 1958-1964 |
|           | Contents of folder so inscribed divided into seven: manuscript and typescript drafts, correspondence, background material, etc <i>re</i> lectures and publications by McCrea on the USSR.   |           |
|           | McCrea visited the USSR for two weeks in August 1958 and for eight weeks in 1960 under a new exchange arrangement between the Royal Society and the USSR Academy of Sciences.   |           |
|           | He gave a talk on his first visit to the Mathematics Department, Royal Holloway, 27 November 1958 and gave an account of his second visit to the Royal Astronomical Society on 9 December 1960. He gave the Cantor Lecture of the Royal Society of Arts on 'Soviet Russia Today: Science' in January 1964 and his article on 'Astronomy in the USSR' was subsequently published by <i>Survey</i> no.52 69-77, 1964. |           |
| E.41-E.44 | 'W.H. McCrea 1959 Solar System Liege Rough Drafts'  | 1959      |
|           | Contents of folder so inscribed divided into four for ease of reference: manuscript notes and drafts for lecture or lectures at Liège, Belgium, July 1959.  |           |
| E.45      | 'The relevance of relativity to laboratory physics'   | 1959      |
|           | Typescript draft of lecture by McCrea dated Royal Holloway College, 16 October 1959.  |           |
| E.46      | 'W.H. McCrea 1959-1960 Cosmogony Early talks on origin of Solar System'   | 1959-1960 |
|           | Contents of folder so inscribed: includes manuscript notes for talks '1959 Oct 23 Oxford Formation of Solar System' and '1960 May 12 R.S. Origin of S.S.'   |           |

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E.47-E.51	<p>'Cosmology Evolution Mainly in preparation for RAS Pres. Addresses 1961-1963'</p> <p>Contents of folder so inscribed divided into five for ease of reference: manuscript notes and drafts.</p> <p>Includes manuscript notes titled 'Evidences of Evolution' for lecture at Glasgow, 20 October 1961.</p>	1961-1963
E.52	<p>'Imp. Coll 1961 May 9'</p> <p>Manuscript notes so titled.</p>	1961
E.53, E.54	<p>'Inertia 1963 Cosmology Pres. Add 1963 S'hampton 1962'</p> <p>Contents of folder so inscribed divided into two for ease of reference: manuscript notes and drafts including 20pp manuscript draft entitled 'Some problems in cosmology' and headed '1962 Feb 19 Southampton 1962 March 13 Leicester'.</p>	1962-1963
E.55	<p>'Cosmology', Overseas League, 26 February 1962</p> <p>14pp manuscript draft.</p>	
E.56-E.60	<p>'Cosmology Papers &amp; references'</p> <p>Contents of folder so inscribed divided into five for ease of reference: includes 21pp typescript draft of lecture 'Cosmological Theories - A Survey', 4 July 1962, manuscript notes, off-prints.</p>	1957-1963
E.61	<p>'A cosmological application of information theory', Stockholm, Sweden, 16 August 1962</p> <p>Manuscript drafts, off-prints.</p>	1962
E.62	<p>'Radio sources Resolution 1963 Jan 8'</p> <p>Contents of folder so inscribed: manuscript notes ?for lecture.</p>	1963



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E.63	<p>'Would it help to land on the Moon? The unsolved problems of cosmology and the relevance of space research'</p> <p>Typescript draft of public lecture on this topic first given at University College Cork, 21 October 1962.</p> <p>Manuscript outlines indicate that the lecture was also given at Sherborne [School], Dorset, 18 March 1963 and Hurstpierpoint [College], Sussex, 5 May 1963.</p>	1962-1963
E.64	<p>'Lagrange's equations in special relativity'</p> <p>Manuscript notes for talk with additional manuscript inscription identifying location 'Cleveland', date stamped 'Apr 27 1964'</p>	1964
E.65-E.72	<p>'W.H.McC. Cosmology 5 lectures 1964'</p> <p>Manuscript notes and drafts, April-September.</p> <p>Eight folders.</p>	1964
E.73, E.74	<p>'Cosmology, Cleveland Astronomical Society, 8 May 1964'</p> <p>Manuscript notes for McCrea's talk; duplicated papers <i>re</i> Warner and Swasey Observatory Slide Collection found with lecture notes.</p> <p>Two folders.</p>	1964
E.75-E.81	<p>'Origin of the Solar System', Friday Evening Discourse, Royal Institution, 20 November 1964.</p> <p>Manuscript and typescript drafts including typescript drafts inscribed 'Talk' and 'For Publication', respectively.</p> <p>Seven folders.</p>	1964
E.82	<p>'Cosmology 1965'</p> <p>Contents of folder so inscribed: includes manuscript notes for lecture on 'Problems in Cosmology' given at Exeter, 29 October 1964, Galway, 29 January 1965 and 'Kings C</p>	1964-1965

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Math Soc', 1 March 1965.

E.83, E.84	'Some current problems in relativistic cosmology', Dublin, Ireland, 27 January 1965	1965
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Manuscript notes and drafts.

Two folders.

E.85	'1965 Rotation & collisions'	1965
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Contents of folder so inscribed: includes manuscript notes for talk on 'Origin of Stellar rotation', Herstmonceux, Sussex, 8 April 1965.

E.86	'Universe in the large', Bryanston School Scientific Society, Blandford, Dorset, 9 February 1966	1966
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Manuscript notes, letter *re* arrangements, 17 January 1966.

E.87-E.92	'Cosmic Physics', Presidential Address, British Association Section A, 2 September 1966	1966
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Typescript drafts, correspondence *re* publication, off-print. The address was published under the title 'Cosmical Physics'.

Six folders.

E.93	'The cosmological significance of recent observational discoveries', symposium on cosmology, Manchester, 24 September 1966	1966
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Symposium programme, manuscript 'rough notes' for Manchester talk and manuscript draft titled 'Radiation - sources' dated '1966 Sept' with additional manuscript note 'prepared but not used for Manchester conf.'

E.94	'A possible mechanism for radio-galaxies and quasars'
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Typescript draft 'used Cambridge Observatory Club 1966 Nov. 14'.



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E.95	'Speculations about quasars', Oxford, 14 February 1967 Manuscript notes.	1967
E.96	'Relativity in astronomy', Farnborough, 21 February 1967 Manuscript draft.	1967
E.97	'Some cosmol. problems of energy release', Cambridge, 2 March 1967 Manuscript notes.	1967
E.98	'Quasar problem', Bristol, 16 March 1967 Manuscript notes.	1967
E.99	'QSS', 13 April 1967. Manuscript notes.	1967
E.100	'QSO', San Diego, USA, 26 May 1967 Manuscript notes.	1967
E.101	'Quasars', Seattle, USA, 5 June 1967 1p manuscript notes only.	1967
E.102	'Speculations about quasars', Cleveland, USA Manuscript notes.	1967
E.103	Miscellaneous manuscript notes and drafts ?re lectures given in USA in 1967	1967

**Lectures, E.1-E.531**

E.104-E.109	<p>'The Present State of Cosmology', BMI [Birmingham and Midland Institute], 27 November 1967</p> <p>Correspondence <i>re</i> arrangements, manuscript and typescript drafts.</p> <p>Six folders.</p>	1967
E.110	<p>Miscellaneous background material found with drafts for 1966-1967 cosmology lectures.</p> <p>Includes duplicated typescript 'On the origins of space-time and inertia' by D. Lynden-Bell, 26 May 1966.</p>	1966-1967
E.111, E.111A	<p>'Quasars and their relevance to cosmology'</p> <p>Typescript and manuscript drafts, one draft dated '1968 August'.</p> <p>Two folders.</p> <p>See also E.184.</p>	1968
E.112-E.115	<p>'Bombay 1968 November'</p> <p>Contents of folder so inscribed divided into four for ease of reference: typescript and manuscript drafts for talks and panel discussion on the microwave background radiation, quasars, the problem of helium abundance and cosmology, Bombay, India, 13-16 November 1968.</p>	1968
E.116-E.119	<p>'Relativity and Cosmology', Royal Institution Civil Service Lecture, 21 November 1968</p> <p>Contents of folder divided into four for ease of reference: includes manuscript draft, duplicated course notes, etc.</p> <p>McCrea's lecture was part of a course for civil servants on the 'Methods and concepts of modern science'.</p>	1967-1968
E.120-E.123	<p>Contents of McCrea's folder divided into four for ease of reference: manuscript notes, typescript drafts for lectures on quasars, off-prints</p> <p>The contents of this folder may have been assembled as</p>	1967-1969



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background material for the preparation of further lectures in the same area.

E.124, E.125	'Cosmology Current Problems Sussex 1969 Ap. 10'	1968-1969
	Contents of folder so inscribed divided into two for ease of reference: manuscript notes, background material ? for talk at Sussex.	
E.126-E.133	'Cosmology Today', Inaugural Lecture Chaire Georges Lemaitre, Louvain, Belgium, 28 October 1969	1969-1970
E.126-E.128	Contents of folder divided into three for ease of reference: manuscript drafts and off-print of published version of McCrea's inaugural lecture	1969-1970
E.129-E.133	'1969 Louvain Oct 28 Cosmology today'	1969-1970
	Contents of folder so inscribed divided into five for ease of reference: typescript draft of McCrea's inaugural lecture and other manuscript and typescript drafts on related topics.	
E.134	'Cosmical Constant', Louvain, Belgium, 2 December 1969	1963-1970
	'1969 Louvain, Universal constants'. Contents of folder so inscribed: includes manuscript notes and draft for talk at Louvain.	
E.135-E.142	'1969 Louvain QSOs Incl. Some material from Vatican Study week 1970'	1966-1970
	Contents of folder so inscribed divided into eight for ease of reference: includes manuscript notes for talks by McCrea, Institute for Theoretical Astronomy, Cambridge, 11 July 1968 and on 'Explosions in Galaxies', Cambridge Archimedians, 28 February 1969, and McCrea's manuscript notes of talks and discussion by others at Vatican study week such as V.A. Ambartsumian, E.M. Burbidge, F. Hoyle, A. Sandage and L.Woltjer, April 1970.	

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E.143-E.149	<p>'1969 Gravitational Lens Effect'</p> <p>Contents of folder so inscribed divided into seven for ease of reference: manuscript notes and drafts, background material etc ?re lecture on 'Gravitational Lens Effect', Oslo, Norway, 29 October 1970.</p>	1964-1970
E.150-E.154	<p>'Cosmology and Faith - current ideas on the history of the universe', Sussex, 11 March 1970</p> <p>Manuscript and typescript drafts.</p> <p>Five folders.</p>	1970
E.155	<p>'W.H. McCrea 1970 Philosophy for Big Bang Cosmology Laws and the Universe'</p> <p>Contents of folder so inscribed: includes manuscript draft headed '1970 May 22 QMC [Queen Mary College University of London] Physical laws and the universe' and typescript draft of 'Cosmology, creation and faith' dated '1970 Easter Day' with pencil revisions for publication.</p>	1970
E.156	<p>'Professor Otto Heckman'</p> <p>Presentation address on the occasion of the award of an honorary degree to Heckmann by Sussex University, 24 August 1970</p>	1970
E.157-E.161	<p>'Gravity - and some levity', Imperial College, 26 October 1970</p>	1965, 1970
E.157, E.158	<p>Contents of untitled folder divided into two for ease of reference: two typescript drafts dated 22 October 1970, one with manuscript notes attached.</p>	1965, 1970
E.159-E.161	<p>'1970 W.H. McCrea Gravity'</p> <p>Contents of folder so inscribed divided into three for ease of reference: includes manuscript and typescript drafts for Imperial College talk and manuscript notes for untitled talk at Sussex, 26 November 1970.</p>	1965, 1970



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E.162-E.168	<p>'QSOs: current problems', Oslo, Norway, 28 October 1970</p> <p>See also E.170-E.174.</p>	1965-1970
E.162, E.163	<p>Contents of untitled folder divided into two for ease of reference: manuscript and typescript drafts, notice for McCrea's lecture</p>	1970
E.164-E.168	<p>'1970 W.H. McCrea QSO 1970 Oct 28 Oslo'</p> <p>Contents of folder so inscribed divided into five for ease of reference: manuscript notes and drafts, off-print and pre-prints.</p> <p>Includes manuscript notes headed '1969 Oct 29 QSO' (E.168).</p>	1965-1970
E.169	<p>'W.H. McCrea 1970 QSO Uppsala'</p> <p>Manuscript notes etc for ? talk at Uppsala, Sweden.</p>	1970
E.170-E.174	<p>'QSOs: current problems', 2nd Larmor Lecture, The Queen's University, Belfast, 5 November 1970</p>	1941-1970
E.170-E.173	<p>'2nd Larmor Lecture, Belfast, 5 Nov. 1970'</p> <p>Contents of folder so inscribed divided into four for ease of reference: letter of invitation, off-prints, photograph (E.172) and typescript draft of Oslo lecture on QSOs, etc.</p>	1941-1970
E.174	<p>Duplicated typescript of McCrea's Oslo lecture revised for Belfast.</p>	1970
E.175	<p>'1970 Lectures Cosmology'</p> <p>Contents of folder so inscribed: manuscript notes, background material.</p>	1969-1970

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E.176, E.177	<p>'1970 Radio Source Counts'</p> <p>Contents of folder so inscribed divided into two for ease of reference: ? background material for lectures.</p>	
E.178, E.179	<p>'Radio Brighton 1971[sic]'</p> <p>Contents of folder so inscribed divided into two for ease of reference: correspondence and typescript and duplicated typescript material <i>re</i> series of talks on astronomy in Sussex broadcast by Radio Brighton in 1970.</p> <p>McCrea, who suggested the idea, appears to have contributed to programme 9, October 1970.</p>	1970
E.180	<p>'Cosmology: Survey of the present situation (Greece &amp; Turkey)'</p> <p>Contents of folder so inscribed: typescript draft etc, 3 March 1971.</p>	1971
E.181	<p>'Solar System: Origin of Planets and Satellites'</p> <p>Contents of folder so inscribed: manuscript notes, typescript draft including manuscript notes headed '1971 March 24 Brit. Council Ankara'.</p> <p>See also E.193.</p>	1971
E.182-E.188	<p>'W.H. McCrea 1971 QSOs Lecture Materials'</p> <p>Contents of folder so inscribed divided into seven for ease of reference: off-prints, manuscript notes, correspondence, manuscript and typescript drafts, etc.</p> <p>Drafts include 'Quasars - interpretative 1968 Nov 14' (E.183, E.186) and 'Quasars and their relevance to cosmology', n.d. (E.184).</p>	1966-1969
E.189-E.191	<p>'Particles that move faster than light', Royal Meteorological Society Club, 19 January 1972</p> <p>'Tachyons'. Contents of folder so inscribed divided into three for ease of reference: manuscript notes and draft, offprints.</p>	1960-1972



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E.192-E.197	'Origin of the Planets', Durham University, 7 March 1972	1971-1972
E.192	'Durham March 7'  Contents of folder so inscribed: typescript draft, brief correspondence.	1972
E.193-E.197	'W.H. McCrea Solar System 1972 March 7 Durham'  Contents of folder so inscribed divided into five for ease of reference: manuscript draft of lecture at Durham (E.196) and manuscript and typescript drafts for lectures at other locations on related topics.  Includes 'Solar system: origin of planets and satellites', 10 March 1971 (E.193), 'Proto-planet theory', Royal Society, 27 March 1972 (E.194) and 'Formation of planets and satellites', Kiel, 8 February 1972 (E.195).	1971-1972
E.198, E.199	'Origin of the Solar System Review of Concepts and Theories', Nice, France, 3 April 1972  Typescript drafts, n.d. and 30 March 1972.  The ?earlier of the two drafts is titled 'Origin of the Solar System Presentation of the different models'  2 folders.	1972
E.200, E.201	'Quasars: Energy Sources and Models', East Midlands Branch of the Institute of Mathematics and its Applications, Leicester, 25 April 1972  Manuscript and typescript drafts, brief correspondence <i>re</i> publication of lecture.  2 folders.	1972
E.202, E.203	'Optics in circles', Sussex University, 4 May 1972  Manuscript notes and draft, etc.  2 folders.	1972

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E.204-E.207	<p>'Astronomers' Luck', University College London, 5 June 1972</p> <p>'1972 W.H. McCrea Astronomers' Luck'. Contents of folder so inscribed divided into four for ease of reference: typescript drafts, correspondence <i>re</i> publication, etc</p> <p>The lecture was revised for publication in the <i>Quarterly Journal of the Royal Astronomical Society</i>, December 1972.</p>	1972
E.207A	<p>'Speech in honour of Professor and Mrs C.W. Allen, by W.H. McCrea', University College London, 23 June 1972</p> <p>4pp typescript.</p>	1972
E.208-E.211	<p>'W.H. McCrea Cleveland 1972 Dec 12 QSO Energy'</p> <p>Contents of folder so inscribed divided into four for ease of reference: manuscript notes and drafts, typescript draft, background material, etc.</p> <p>Includes typescript draft 'Cosmology. Energy Sources in Galaxies and Quasars', 9 July 1971 (E.211).</p>	1971-1972
E.212	<p>'1972 Knowledge and Ignorance in Astronomy: Some unsolved problems (chiefly for Cleveland 1972)'</p> <p>Contents of folder so inscribed: ?background material for lecture.</p>	1971-1973
E.213-E.215	<p>Manuscript drafts for lectures on 'Knowledge and ignorance in astronomy', '1972 Nov 27' and '1974 May 9 Newcastle' found enclosed within off-print of A.R. Hall's 1973 Wilkins Lecture (between pp 406-407), <i>Proc. R. Soc. Lond. A</i>. vol 338, 397-417. 1974.</p> <p>Three folders.</p>	1972-1975
E.216-E.222	<p>'QSOs Gen 1972'</p> <p>Contents of folder so inscribed divided into seven for ease of reference: includes typescript draft 'Quasi-stellar objects: some recent theories' with manuscript inscriptions</p>	1964-1972



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'1971 March' and 'working copy'; and manuscript notes and drafts for talks on 'QSOs' for Louvain, 4 November 1969, Uppsala August 1970 and Sussex, October 1970; and off-prints.

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|--------------|--|-----------|
| E.223-E.231  | '1972 W.H. McCrea Solar System Typescripts / Lectures Notes Ostriker'  | 1970-1976 |
|              | Contents of folder so inscribed divided into nine for ease of reference: includes manuscript draft introduction to course of lectures on the solar system at Sussex, 1971-1972 (E.229), manuscript notes for talks on the solar system at Case Western Reserve University, Cleveland, Ohio, 14 December 1972 , (E.228) and on star formation, Cairo, Egypt, 15 February 1973 (E.227), and manuscript draft 'Origin of S-S - protoplanet theory, 21 May 1976 (E.224). |           |
| E.232, E.233 | 'Current problems in cosmology: galaxies and cosmology', l'Institut d'Egypte, 5 March 1973   | 1973      |
|              | Typescript and manuscript drafts.  |           |
|              | Two folders.   |           |
| E.234        | 'What do we know about the Universe?'  | 1973      |
|              | Manuscript outlines, manuscript notes ? for course of lectures on this topic. ?given in Egypt, March - May 1973.   |           |
| E.235        | 'The history of the universe according to relativistic cosmology'. Semaine de Synthèse on 'Avant/Avec/Après Copernic La Représentation de L'Univers et ses Conséquences Épistémologiques', Paris, France, June 1973.   | 1973      |
|              | 'History of the Universe acc. to rel. cosmology for Paris (1973) Copernicus'. Contents of folder so inscribed: manuscript notes, duplicated manuscript draft, background material.   |           |
| E.236, E.237 | 'Comets: mystery members of the solar system', Ramsden Memorial Lecture to the Manchester Literary and Philosophical Society, 28 October 1974  | 1974      |

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- /... '1974 Feb 25 Manchester Comets'. Contents of folder so inscribed divided into two for ease of reference: correspondence *re* arrangements, manuscript notes etc.
- Includes (E.237) 'Proposed format for meeting on 'The structure and origin of comets', York, March 25-26th 1975'. See E.254-E.262.
- McCrea's Ramsden Memorial Lecture was originally scheduled for February but postponed to October.
- See also E.238-E.242.
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|---|---|-----------|
| E.238-E.242   | 'Comets 1974'   | 1974      |
| <p>Contents of folder so inscribed divided into five for ease of reference: includes manuscript notes for talk at Sussex, 26 February 1974 (E.242) and manuscript and duplicated manuscript drafts for McCrea's Ramsden Memorial Lecture to Manchester Literary and Philosophical Society (E.239, E.240).</p>   |   |           |
| E.243, E.244  | 'Modern Cosmology and the Concept of the Creator', Science, Human Values and Religion Society, University of Sussex, 1 May 1974         | 1970-1974 |
| <p>'Creation for Sussex 1974 May'. Contents of folder so inscribed divided into two for ease of reference: includes seminar programme and manuscript notes for McCrea's 1974 talk, manuscript and typescript drafts of 'Cosmology, creation and faith', dated 'Easter Day 1970', and copy of Focus, University of Sussex magazine, June 1970, with article by McCrea 'Does Cosmology leave room for God?'</p> |   |           |
| E.245   | 'Heroic Times in Astrophysics', Newcastle, 13 May 1974  | 1951-1974 |
| <p>'1974 May 13 Newcastle P. Lect Heroic Times in Astrophysics and Cosmology'. Contents of folder so inscribed: background material only.</p>   |   |           |
| E.246-E.249   | 'Models, laws and the universe', International colloquium 'Cosmology - History - Theology', University of Denver, USA, 7 November, 1974 | 1973-1974 |
| <p>See also G.166-G.168.</p>  |   |           |



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E.246-E.248	<p>'1974 History of the Universe / Models - Laws - and the Universe (Denver)'</p> <p>Contents of folder so inscribed divided into three for ease of reference: includes programme of Denver colloquium and manuscript and duplicated manuscript drafts of McCrea's paper.</p> <p>At E.248 are manuscript drafts of the opening pages of talks at Manchester on 'Universe according to simple mathematics', Sussex on 'Modern cosmology and the concept of the creator' (see E.243, E.244) and to the OUSS on 'Big bang and the history of the Universe', 1973-1974 and duplicated manuscript draft of 'The history of the universe according to relativistic cosmology' dated '1974 January 10' (see E.235).</p>	1973-1974
E.249	Typescript version of Denver paper	1974
E.250, E.251	<p>'1974 Nov 29 App. Mathematics brief historical survey'</p> <p>Contents of folder so inscribed divided into two for ease of reference: includes duplicated manuscript draft of McCrea's Presidential Address to the Mathematical Association on 'Natural Philosophy', 8 April 1974 (E.250) and correspondence <i>re</i> seminars on the development of mathematical physics at the University of Newcastle, 16 May 1974 and on the development of applied mathematics, University of Kent at Canterbury, 29 November 1974 (E.251).</p>	1969-1974
E.252	<p>'Sy nucl. &amp; quasars', 1 December 1974</p> <p>Manuscript notes and slide list.</p>	1974
E.253	<p>'1975 January-February Miscellaneous Papers and Notes'</p> <p>Contents of folder so inscribed: includes manuscript notes for talks during visit to South Africa, January-February 1975.</p> <p>McCrea talked on Big Bang cosmology and the tercentenary of the Royal Greenwich Observatory.</p>	1974-1975

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E.253A	'Questions concerning interstellar matter in the Magellanic Clouds', Thackeray symposium, 21-23 January 1975  Duplicated manuscript draft.	1975
E.254-E.262	'1975 Comets'  Contents of folder so inscribed divided into nine for ease of reference: manuscript notes and drafts, correspondence, off-prints etc. This material may have been assembled to a considerable extent for a meeting at York on comets, March 1975 (see E.237).  Includes manuscript notes for talk on comets by McCrea at Tucson, 13 Nov 1973 (E.262) and manuscript draft for article '1974 Jan. Revised' (E.259).	1969-1976
E.262A	Miscellaneous notes and drafts <i>re</i> comets, especially Halley  Includes draft headed 'Halley First draft 1975 March 4'.	1974-1975
E.263-E.268	'Solar System as Space-probe', Halley Lecture, Oxford University, 6 May 1975	1949-1975
E.263	Manuscript draft of McCrea's lecture, 16 April 1975	
E.264	Proofs	1975
E.265-E.268	'1975 W.H. McC Halley Lecture and Ice Ages'  Contents of folder so inscribed divided into four for ease of reference: includes typescript drafts of McCrea's Halley Lecture (E.265, E.266), manuscript notes for talk 'Comets and ice ages', Tucson, 27 June 1975 and typescript draft, proofs etc for article by McCrea 'Ice ages and the Galaxy', <i>Nature</i> , 1975 (E.267, E.268).	1949-1975
E.269-E.271	'Satellite Species and their Origins', Tucson, 18 May 1975  '1975 Solar System'. Contents of folder so inscribed divided into three for ease of reference: includes	1974-1975



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manuscript notes for McCrea's Tucson talk, symposium programme and McCrea's notes on talks by other speakers.

E.272	<p>'1975 July 25 Herstmonceux'</p> <p>Manuscript notes for talk by McCrea on 'Sy nucleus', etc</p>	1975
E.273-E.281	<p>'Galaxies 1976 Including Spiral Structure M.J. Rees reprints '</p> <p>Contents of folder so inscribed divided into nine for ease of reference: includes manuscript notes etc for a number of talks; also printed background material.</p>	1960-1976
E.282, E.283	<p>'Some problems of the origin and evolution of the solar system for extra-terrestrial geology', Lyell Society, King's College, London, 16 February 1977</p> <p>Manuscript and typescript drafts.</p> <p>The manuscript draft is titled 'Some possible cosmogonic problems for extra-terrestrial geology'.</p> <p>Two folders.</p>	1977
E.284-E.291	<p>'Cosmol. 77'</p> <p>Contents of folder so inscribed divided into eight for ease of reference: includes duplicated typescript lectures by McCrea on 'Cosmology' (E.285) and 'General Relativity' (E.289-E.291) at Cairo University, February 1973, and syllabus and book list for lectures on 'Cosmology and Cosmogony', University of British Columbia, Spring Term, 1976 and manuscript notes for talk on 'Cosmology &amp; Creation', UBC, 5 March 1976 (E.286, E.288).</p>	1970-1977
E.292-E.294	<p>'1977 Galaxy Formn'</p> <p>Contents of folder so inscribed divided into three for ease of reference: includes manuscript draft titled 'Accumulation instability: galaxy formation' (E.292), manuscript notes for ?talk on 'The first stars', 2 March 1977 (E.293) and manuscript notes for lectures, Istanbul, October-November 1977 (E.294).</p>	1977-1978

**Lectures, E.1-E.531**

E.295-E.302	<p>'1977 Solar System'</p> <p>Contents of filing cabinet divider so labelled.</p>	1970-1977
E.295-E.297	<p>Manuscript notes, correspondence, background material found loose at the front of the divider</p> <p>Three folders.</p>	1970-1977
E.298	<p>'W.H. McCrea UBC [University of British Columbia] Planets 1976 Feb 24-' and '1976 Solar System'</p> <p>Contents of folder so inscribed: includes manuscript notes for talk on 'Rotating bodies and the evolution of the solar system', Liverpool, 19 November 1973, manuscript outline for talk at Brighton, 7 December 1973 and manuscript notes and draft for talk at Oxford, 5 February 1974.</p>	1973-1976
E.299	<p>'W.H. McCrea 1977 Solar System Talks Diagrams Some Tables View Graphs'</p> <p>Contents of folder so inscribed: manuscript notes for talks.</p> <p>Most of the original contents of this folder seems to have been removed ?by McCrea.</p>	1976
E.300-E.302	<p>'1977 Solar System Problems Calculations Diagrams Jupiter (Tucson) I.P. Williams Material (1975)'</p> <p>Contents of folder so inscribed divided into three for ease of reference: correspondence, manuscript notes etc.</p> <p>? relates to publication of Jupiter conference paper.</p>	1974-1977
E.303	<p>'Satellites and asteroids', York, 14 April 1978</p> <p>Contents of untitled folder: manuscript draft and transparencies for York talk, background material etc.</p>	1973-1979
E.304-E.306	<p>'Superluminals', Istanbul, Turkey, 13 June 1978</p> <p>'Superluminals'. Contents of folder so inscribed divided into three for ease of reference: manuscript notes and</p>	1975-1979



**Lectures, E.1-E.531**

drafts, background material.

- |             |   |           |
|-------------|---|-----------|
| E.307       | ?Introduction to meeting on Planetary Science, Royal Society, 17 November 1978<br><br>Manuscript notes headed '1978 Nov 17 Plan. Sci. (RS) Appropriate introduction' and transparency headed 'Magnetic property of massive rotating body'. See also E.308.  | 1978      |
| E.308       | 'Unlikeliness "The" '<br><br>Papers found within folded sheet of paper so inscribed: Include notes and drafts headed 'Normal stars', ' "The" Reification' and 'The Principle of Unlikeliness', dated 30 July 1978 but ?related to November 1978 Royal Society meeting. See E.307.   | 1978      |
| E.309       | 'S.[olar] S.[ystem] origin'<br><br>Papers found within folded sheet of paper so inscribed: manuscript notes and drafts for lecture or lectures on origin of the solar system including 1p manuscript notes headed 'Origin of stars, Sun, Planets, Satellites, comets' and dated '1979 Ap 18'  | 1979      |
| E.310-E.316 | '1979 'Galaxy Formation'<br><br>Contents of folder so inscribed divided into seven for ease of reference: includes typescript draft 'First Stars', 1 January 1979 (E.311) and manuscript notes, transparencies for lectures on 'First clusters: first stars' and 'Origin and early evolution of galaxies' given on visit to New Zealand, 1979 (E.312) and manuscript notes for talk at Sussex on galaxy formation, 8 February 1979 (E.315). | 1974-1979 |
| E.317       | 'Tunguska 1908 : comet hypoth.', Croydon, 2 November 1979<br><br>Manuscript notes and transparencies.   | 1979      |

**Lectures, E.1-E.531**

E.318-E.323	<p>Contents of untitled folder divided into six for ease of reference: transparencies, manuscript notes and drafts, printed background material lectures on Dirac's large numbers hypothesis and similar</p> <p>First sheet in folder inscribed 'Viewgraphs used TCD [Trinity College Dublin] 1980 Feb 26'.</p>	1979-1981
E.324-E.337	<p>'Stellar Rotation 1980'</p> <p>Contents of bundle of papers so labelled divided into fourteen for ease of reference: manuscript notes and drafts, transparencies, off-prints, etc.</p> <p>Relates in part to lecture on stellar rotation at Cardiff, April 1980.</p>	1961-1981
E.338-E.393	<p>'Long time-scale fluctuations in the evolution of the Earth', Royal Society Review Lecture, 12 June 1980</p> <p>Published in <i>Proc. R. Soc. Lond. A</i> vol 375, 1-41.</p>	1963-1986
E.338-E.345	<p>'Earth 1980'</p> <p>Contents of bundle so labelled divided into eight for ease of reference: principally manuscript drafts of McCrea's Royal Society Review Lecture including 'Third (final) draft Jul-Aug 1980' (E.339), 'Second draft' (E.341), 'Second draft contd' (E.343) and '1st draft' (E.344). At E.345 is a little later material including letter from K.A. Pounds, 10 December 1986.</p>	1980, 1986
E.346, E.347	<p>'Review Lecture Drafts 1980'</p> <p>Contents of envelope so inscribed divided into two for ease of reference: manuscript drafts '~ 1980 May'.</p>	1980
E.348, E.349	<p>'1980 Earth Final ts to RS 1980 Sept 7'</p> <p>Contents of folder so inscribed divided into two for ease of reference: photocopied typescript.</p>	1980



**Lectures, E.1-E.531**

E.350-E.389	<p>Contents of bundle: numbered sequence of folders of duplicated and printed background material, correspondence, manuscript notes, drafts, etc for McCrea's lecture</p> <p>The sequence lacks no.4.</p>	1963-1982
E.350-E.350A	<p>'1980 Earth 0 General References Catastrophes Slides'</p> <p>Contents of folder so inscribed divided into two for ease of reference: includes (E.350A) McCrea's report on a paper submitted to <i>Nature</i>.</p>	1978-1982
E.351-E.355	<p>'1980 Earth 1 1980 Jun 12 Correspondence'</p> <p>Contents of folder so inscribed divided into five for ease of reference: includes correspondence with Royal Society and colleagues <i>re</i> lecture (E.351, E.355).</p>	1971-1981
E.356-E.361	<p>'1980 Earth 2 Earth Climate'</p> <p>Contents of folder so inscribed divided into six for ease of reference.</p>	1976-1980
E.362	<p>'1980 Earth 3 Ice Ages Interglacial Intervals'</p> <p>Contents of folder so inscribed.</p>	1976-1980
E.363-E.367	<p>'1980 Earth 5 Solar Activity Flares Sunspot Cycle Solar Wind'</p> <p>Contents of folder so inscribed divided into five for ease of reference.</p>	1963-1980
E.368-E.374	<p>'1980 Earth 6 Comets Asteroids'</p> <p>Contents of folder so inscribed divided into seven for ease of reference: includes typescripts <i>re</i> visits to Tucson and Houston, March 1981 (E.368) and manuscript notes headed 'BBC Radio 4 1980 May 12' (E.373).</p>	1967-1981

**Lectures, E.1-E.531**

E.375	'1980 Earth 7 Supernovae Cosmic Rays Isotope Evidence'	1977-1980
	Contents of folder so inscribed.	
E.376-E.379	'1980 Earth 8 Earth Geology Continental Drift Plate Tectonics Magnetism Reversals'	1976-1980
	Contents of folder so inscribed divided into four for ease of reference: includes notes made by McCrea at Royal Society discussion meeting on the origin and evolution of the Earth's continental crust, February 1980 (E.377).	
E.380-E.388	'1980 Earth 9 Galactic Structure'	1977-1981
	Contents of folder so inscribed divided into nine for ease of reference.	
E.389	'1980 Earth 10 Origin Other Systems'	1976-1979
	Contents of folder so inscribed.	
E.390-E.393	'1980 June Earth Varns'	1976-1980
	Contents of folder so inscribed divided into four for ease of reference: includes manuscript notes and draft for talk on 'Sunspots and dinosaurs: astron. influences upon Earth', Oxford, 17 October 1978 (E.392), manuscript notes for talk in New Zealand on 'Astron. effects on terres. climate & life', 12 June 1979 (E.391) and manuscript draft for paper on 'Astronomical influences on the Earth's climate and biological history', not in the hand of McCrea who is listed as the third author with 'Clark' and 'Hunt' (E.390).	
	This assemblage appears to have been brought together in connexion with McCrea's Royal Society Review Lecture.	
E.394-E.396	'Origin of stars and galaxies: some hypotheses', Oxford international symposium, 17 September 1981	1981
	Manuscript notes and drafts.	
	Three folders.	



Lectures, E.1-E.531

E.397	'O.H.P Transparencies for Talk Expansion of Universe'	N.d. ?1981
	Contents of envelope postmarked in October 1981.	
E.398-E.403	'Unsolved Problems in Astronomy 1982 Transparencies (5)'	1982
	Contents of envelope so inscribed divided into six for ease of reference: includes five transparencies for lecture on 'Unsolved problems in Astronomy' (E.401); manuscript draft of lecture on 'Cosmical science: problems old and new', Oxford, 26 February 1982 (E.402); typescript draft 'Astronomical Problems and Unsolved: Reflections Thereon' with manuscript inscription 'To be published in Irish Astronomical Journal 1983' (E.398); transparencies for lecture on 'Today's Cosmos: Problems Solved and Unsolved' (E.399).	
E.404-E.406	'Cosmos: Problems Solved & Unsolved'	1971-1982
	Contents of folder so inscribed divided into three for ease of reference: includes manuscript and typescript notes on 'Cosmology today' (E.404), invitation to deliver Royal Holloway Annual Faculty of Science Lecture 1982 and correspondence <i>re</i> article for <i>Irish Astronomical Journal</i> (E.405), and manuscript notes for lectures, 1971-1974 and invitation to contribute to encyclopaedia of ignorance from compiler Miranda Weston-Smith, 6 December 1974 (E.406).	
E.407, E.408	'Solar flux and the Earth's early climate', Royal Astronomical Society, London, 14 May 1982	1982
	Typescript draft, transparencies, etc.	
	Two folders.	
	McCrea presented a paper on this topic at a discussion meeting on palaeoclimatology with A. Henderson-Sellers.	
E.409-E.413	Contents of untitled folder divided into five for ease of reference: manuscript and typescript drafts, transparencies for lecture on ?evolution of the Earth and 'Astronomical actions on Earth' delivered in Egypt c.1982	N.d., 1981
	Headed notepaper of the El Nil Hotel Cairo is used to	

**Lectures, E.1-E.531**

separate transparencies.

E.414-E.422	<p>'Life's origins', Sussex, 22 March 1983</p> <p>McCrea gave a paper at a one-day symposium 'at Sussex 'Various aspects of life's origins' organised by H.W. Kroto. The title of McCrea's paper is given in the programme as 'Possible arrivals of extraterrestrial molecules at various epochs' but his drafts are titled simply 'Life's origins'.</p>	1978-1983
E.414	<p>Transparencies, manuscript draft</p>	1983
E.415-E.422	<p>'1983 Molecules and Related Matters'</p> <p>Contents of folder so inscribed divided into eight for ease of reference: manuscript notes and drafts of lectures, symposium programme, background material, etc.</p> <p>Although this assemblage appears to have been brought together for the 1983 symposium it includes drafts for earlier lectures such as 'The Natural History of Matter' (E.415, E.420) and 'Astronomical Actions on Earth' (E.416).</p>	1978-1983
E.423, E.424	<p>'Cosmology To-day', Torino, Italy, 18 April 1983</p> <p>Transparencies, typescript draft.</p> <p>Two folders.</p>	
E.425-E.432	<p>Contents of untitled folder divided into eight for ease of reference: includes drafts and transparencies for talks on 'Influence of Radio Astronomy on Cosmology' (E.425, E.426) and 'Constants of Physics' (E.428) and manuscript notes headed '1983 Oct 11 Sciama Remnants of early U' (E.431)</p> <p>McCrea organised (with M.J. Rees and S. Weinberg) a discussion meeting at the Royal Society on 'The Constants of Physics', 25-26 May 1983, and made the introductory remarks.</p>	1979-1983
E.433-E.436	<p>'Physics and cosmology: some interactions', Lemaitre symposium, Universite Catholique de Louvain, Belgium,</p>	1983



**Lectures, E.1-E.531**

11 October 1983

McCrea gave this paper at the international symposium G. Lemaitre on the occasion of the 50th anniversary of his theory on the expansion of the universe.

E.433-E.435	Contents of untitled folder divided into three for ease of reference: manuscript notes and drafts, symposium programme	
E.436	Transparencies	
E.437-E.440	'Unseen Galactic Halos'	1983
E.437, E.438	'Galaxy Formation (1983) Unseen Galactic Halos'  Contents of folder so inscribed divided into two for ease of reference: transparencies and related material.	
E.439	'Unseen Galactic Halos'  Photocopies of transparencies.	
E.440	'Nature of Unseen Galactic Envelopes'  Photocopies and transparency.	
E.441	'Physics and Astronomy'  Transparencies for lecture.  Includes reference to the 1983 Nobel Prize for Physics.	N.d. c.1983
E.442	Transparencies found clipped together  The first two transparencies are headed 'The Early Universe', the text of the second beginning 'This is a brief report upon the state of the Universe at the end of 1983'.	N.d. c.1983

**Lectures, E.1-E.531**

E.443-E.446	<p>'Planetary Cores: Origin &amp; Evolution', Oxford, 18 May 1984</p> <p>Transparencies, correspondence <i>re</i> arrangements, background material, etc.</p> <p>Four folders.</p> <p>McCrea's lecture was a contribution to an Oxford University Department for External Studies astronomy weekend on the state of the solar system.</p>	1960-1984
E.447, E.448	<p>'1984 Accretion Disks'</p> <p>Contents of folder so inscribed divided into two for ease of reference: manuscript notes and transparency for talk by McCrea ?summarising meeting; manuscript notes made by McCrea at meeting, 20-21 June 1984.</p>	1984
E.449-E.461	<p>'Cosmogonic problems to be studied for and by means of Comet Samples', European Space Agency workshop on the 'Comet Nucleus Sample Return Mission', Canterbury, 15-17 July 1986</p> <p>'Lecture at ESA Meeting at Kent 1986'. Contents of folder so inscribed divided into thirteen for ease of reference: correspondence <i>re</i> arrangements, manuscript drafts, programme and abstracts booklet (annotated by McCrea), background material, etc.</p> <p>McCrea gave the opening lecture at the workshop.</p>	1960-1986
E.462	<p>'1986 Nov [sic] 8 Cosmology Oxford'</p> <p>Contents of folder so inscribed: includes manuscript notes for lecture on 'The U[niverse] What do we know?', first page headed '1986 Nov 1'; manuscript notes for lecture on known universe, first page headed '1986 Oct 8' and manuscript draft headed 'Oxford Why cosmology?'.</p>	1986
E.463-E.470	<p>'What to expect in space exploration?', Athenaeum, London, 2 February 1987</p> <p>Correspondence <i>re</i> arrangements, manuscript notes and drafts, background material, etc.</p> <p>Eight folders.</p>	1984-1987



Lectures, E.1-E.531

E.471-E.476	<p>'Astronomy: Evolution of evolution', Nato Advanced Research Workshop on Secular Solar and Geomagnetic Variations in the last 10,000 Years', Durham, 6-10 April 1987</p> <p>McCrea was invited to give an address 'possibly a general lecture on the theme of the meeting'.</p>	1987
E.471-E.474	<p>'1987 Durham'</p> <p>Contents of folder so inscribed divided into four for ease of reference: invitation, programme for Nato workshop, manuscript and typescript drafts dated in March 1987</p>	
E.475, E.476	<p>Manuscript and typescript drafts dated 27 June 1987</p> <p>Two folders.</p> <p>These drafts may related to the publication of the workshop proceedings.</p>	
E.477	<p>'Diffuse matter in the Solar System': Comet Halley and other studies'</p> <p>Typescript draft 'Introductory remarks' with note <i>re</i> publication in <i>Philosophical Transactions of the Royal Society</i>, 4 June 1987.</p>	1987
E.478-E.480	<p>'Chemistry and Cosmos'</p> <p>Manuscript and typescript drafts of 'introductory remarks to panel discussion on: 'Does chemical evidence give diagnostic tests for the credibility of physical models of the origin of the Solar System?'</p> <p>Three folders.</p> <p>McCrea made his 'introductory remarks' at a Royal Society Discussion Meeting on 'The Solar System: Chemistry as a Key to its Origin'. His manuscript draft is dated 27 July 1987.</p>	1987
E.481-E.488	<p>'1987 Solar System'</p> <p>Contents of folder so inscribed divided into eight for ease</p>	1986-1987

**Lectures, E.1-E.531**

of reference: manuscript notes, transparencies, background material, etc.

At E.482 is the contents of envelope inscribed 'Protoplanets 6 transparencies for 1986 March 14' and at E.484-E.487 are contents of envelope inscribed 'Transparencies for 1987 Ap 19'.

E.489-E.491	'1988 Feb IC Ast. Soc'	1987-1988
	Contents of folder so inscribed divided into three for ease of reference: manuscript notes, transparencies for talk to Imperial College Astronomical Society, probably on formation of planets.	
E.492, E.493	'Cosmogony: Molecules to Planets', 6 September 1988	1988
	Transparencies for lecture.	
	Two folders.	
E.494-E.519	'Cosmology Mind and Cosmos → 1992'	1979-1993
	Contents of box so labelled: manuscript notes and drafts, typescripts, transparencies, background material for lectures and ?publications on this topic	
E.494	'Feb 1990 Talk at R.G.O'	1990
	Contents of folder so inscribed: photocopied manuscript draft, transparencies for lecture on 'Mind and Universe' at the Royal Greenwich Observatory, Sussex.	
E.495-E.497	'1990 February 23 RGO-Sussex Mind'	1989-1990
	Contents of folder so inscribed divided into three for ease of reference: includes manuscript notes and drafts entitled 'Mind and Cosmos 1990 Jan 17-20' and 'Nature of phys. science - simply of science 6.11.90'.	
E.498-E.500	'1990 Mind and Cosmos Sussex QMWC '	1990
	Contents of folder so inscribed divided into three for ease	



**Lectures, E.1-E.531**

of reference: manuscript drafts entitled 'Mind and the Universe', transparencies, background material for lectures at Royal Greenwich Observatory, Sussex and Queen Mary and Westfield College, University of London.

E.501-E.504	'W.H. McCrea Brioni Lecture 1990 Sept'	1990
	Contents of folder so inscribed divided into four for ease of reference: manuscript notes, drafts, transparencies for McCrea's lecture on 'History of the Photon' at a conference at Brioni, Croatia.	
	See also G.248-G.256.	
E.504A	'1990 Photon Brioni'	1981-1990
	Background material etc.	
E.505-E.510	W.H. McCrea 1991 Mind'	1990-1991
	Contents of folder so inscribed divided into six for ease of reference: manuscript notes and drafts including photocopies of February 1990 RGO lecture and September 1990 Brioni lecture.	
E.511-E.515	Contents of untitled folder divided into five for ease of reference: manuscript and typescript drafts 'Mind and Cosmos', 'Mind and Physics' etc	1983-1991
E.516, E.517	'1992 The bashful universe'	1979-1992
	Contents of folder so inscribed divided into two for ease of reference: manuscript notes, background material.	
E.518	'Concentration May '93'	1993
	Contents of folder so inscribed: manuscript notes, background material.	

**Lectures, E.1-E.531**

E.519	'21 May '93 Foundations'  Contents of folder so inscribed: manuscript notes.	1993
E.520	Manuscript notes on global warming ?for lecture	N.d.
E.521	'Molecules'  Contents of folder so inscribed: transparencies.	N.d.
E.522	'Molecules in Early Solar System'  Contents of folder so inscribed: transparencies.	N.d.
E.523, E.524	Contents of untitled folder divided into two: transparencies	N.d.
E.525	'Binary Pulsar PSR 1913+16'  Transparency.	N.d.
E.525A	Untitled manuscript draft for lecture beginning 'If we think of a great liner taking a thousand passengers on a world cruise: we may think of the movements of any particular passenger in two different ways ...'	N.d.
E.526-E.531	Lectures by others	N.d. [ ? late 1930s] - 1978
E.526	Notebook inscribed inside front cover 'W.H. McCrea Queen's University Belfast Notes of lectures by E.T. Whittaker, A.C. Whittaker, A.C. Aitken, W.O. Kermack, I.M.H. Etherington, G.D. Birkhoff, M. Fréchet'  McCrea was Professor of Mathematics at Queen's University Belfast, 1936-1944.	N.d. [ ? late 1930s]
E.527	'The meaning of Wave Mechanics by Erwin Schrödinger (For the July Colloquium, Dublin 1952)'	1952  /...



**Lectures, E.1-E.531**

/...	Duplicated typescript.	
E.528	'Lectures on General Relativity' by Andrzej Trautman, King's College, London, May-June 1959  Duplicated typescript.	
E.528A	Introductory lecture on 'Developments in Radio Source Work since 1960' by M. Ryle, XIV General Assembly URSI (International Union of Radio Science), Tokyo, Japan, 12 September 1963  Duplicated typescript.	1963
E.529	McCrea's manuscript notes of lecture or lectures by F. Hoyle	1969
E.530	'Why does the sun shine?' by L. Mestel  Duplicated typescript.	1971
E.531	McCrea's manuscript notes of lecture by M.S. Longair on radio sources	1978

**SECTION F**

**SOCIETIES AND ORGANISATIONS, F.1-F.620**

**1934-1999**

F.1	ACCADEMIA DELLE SCIENZE DI TORINO
F.2-F.4	AERONAUTICAL EDUCATIONAL TRUST LTD
F.5	ARMAGH OBSERVATORY
F.6-F.47	BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE
F.48-F.62	CHELSEA COLLEGE OF AERONAUTICAL AND AUTOMOBILE ENGINEERING
F.63	CONSEJO CULTURAL MUNDIAL
F.64-F.68	DEUTSCHE AKADEMIE DER NATURFORSCHER LEOPOLDINA
F.69-F.78	DUBLIN INSTITUTE FOR ADVANCED STUDIES
F.79, F.80	EGYPT CHURCH ASSOCIATION/EGYPT DIOCESAN ASSOCIATION
F.81	EUROPEAN SPACE AGENCY
F.82	INDIAN ASSOCIATION FOR GENERAL RELATIVITY & GRAVITATION
F.83-F.103	INSTITUTE FOR THEORETICAL ASTRONOMY
F.104	INSTITUTE OF ATOMIC INFORMATION FOR THE LAYMAN
F.105-F.174	INTERNATIONAL ASTRONOMICAL UNION (IAU)
F.175	INTERNATIONAL SOCIETY FOR GENERAL RELATIVITY AND GRAVITATION
F.176-F.181	THE MATHEMATICAL ASSOCIATION



**Societies and organisations, F.1-F.620**

F.182	METEORITICAL SOCIETY
F.183	MOUNT STROMLO OBSERVATORY
F.184-F.311	ROYAL ASTRONOMICAL SOCIETY (RAS)
F.312-F.466	ROYAL GREENWICH OBSERVATORY (RGO)
F.467-F.562	ROYAL SOCIETY
F.563	ROYAL SOCIETY OF EDINBURGH
F.564	SCIENCE, HUMAN VALUES AND RELIGION SOCIETY
F.565-F.573	SCIENCE POLICY RESEARCH UNIT (SPRU)
F.574-F.617	SCIENCE RESEARCH COUNCIL/SCIENCE AND ENGINEERING RESEARCH COUNCIL
F.618-F.620	UNIVERSITY OF LEICESTER

**Societies and organisations, F.1-F.620**

**F.1                      ACCADEMIA DELLE SCIENZE DI TORINO                      1990-1991**

Correspondence and papers *re* meeting, etc.

**F.2-F.4                      AERONAUTICAL EDUCATIONAL TRUST LTD                      1966-1972**

Correspondence *re* Awards Days, Wakefield Memorial Lectures etc of the College of Aeronautical and Automobile Engineering.

Three folders.

See also Chelsea College of Aeronautical and Automobile Engineering (F.48-F.62).

**F.5                      ARMAGH OBSERVATORY                      1957**

Correspondence etc *re* exhibition at the Ulster Office in London.

**F.6-F.47                      BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE                      1934-1983**

**F.6-F.24                      'British Association 1934-1941'                      1934-1941**

Contents of folder so inscribed: correspondence and papers *re* organisation of meetings etc.

McCrea was elected a member of the Committee of Section A (Mathematical and Physical Sciences) in September 1934, a Vice-President of the Section in September 1935 and in November 1935 Secretary of the Section for the 1936 BA meeting in Blackpool.

**F.6                      1934**



**Societies and organisations, F.1-F.620**

F.7	1935	
	Includes BA publication on 'The Working of Sections'.	
F.8-F.10	1936	
	Three folders.	
F.11, F.12	1937	
	Two folders.	
	At F.12 is the preliminary programme for the Nottingham meeting, 1937.	
F.13-F.15	1938	
	Three folders.	
F.16-F.23	1939	
	Includes undated papers found with 1939 material. At F.22 is the preliminary programme for the 1939 Dundee meeting and at F.23 the list of members intending to attend the Dundee meeting.	
	Eight folders.	
F.24	1940-1941	
F.25-F.47	Correspondence and papers	1966-1983
F.25	1966	
	Duplicated sheet listing members of Section A Sectional Committee 1966 and ticket for 1966 Nottingham meeting.	
	McCrea was the President of Section A.	

**Societies and organisations, F.1-F.620**

- |           |   |      |
|-----------|---|------|
| F.26      | 'British Association Annual Meeting Dundee 1968'  | 1968 |
|           | Contents of folder so inscribed: includes manuscript draft of McCrea's talk on 'Quasars and their relevance to cosmology'.  |      |
|           |   |      |
| F.27      | 1970  |      |
|           | Manuscript and duplicated papers including 'Draft report Seismological investigations 1970'.  |      |
|           |   |      |
| F.28-F.38 | 1971  |      |
|           | Correspondence and papers chiefly <i>re</i> 1971 Committee of Review and McCrea's suggestion of a role in Europe for the British Association. These papers were found in considerable disarray. |      |
|           | Drafts of McCrea's memoranda on the British Association and Europe are at F.31, F.32 and a sequence of McCrea's correspondence on BA affairs, June - December 1971 is at F.35-F.37.             |      |
|           | Eleven folders.   |      |
|           | McCrea was a member of the BA Council.  |      |
|           |   |      |
| F.39-F.44 | 1972  |      |
|           | Correspondence, committee papers, etc.  |      |
|           | Six folders.  |      |
|           | McCrea was a member of the BA Council.  |      |
|           |   |      |
| F.45      | 1973  |      |
|           | Committee papers, etc.  |      |
|           |   |      |
| F.46      | 1974-1975   |      |
|           | Includes manuscript notes for speech by McCrea as President of the Sussex Branch of the BA, 2 July 1974.  |      |



**Societies and organisations, F.1-F.620**

- |           |   |   |
|-----------|---|---|
| F.47      | 1983  |   |
|           |   | Final programme of BA Annual Meeting, University of Sussex, 22-26 August 1983.  |
|           |   | McCrea spoke on the formation of planetary cores in a session on the early history of the solar system.   |
|           |   |   |
| F.48-F.62 | <b>CHELSEA COLLEGE OF AERONAUTICAL AND<br/>AUTOMOBILE ENGINEERING</b> | 1958-1976   |
|           |   | McCrea accepted an invitation to join the Advisory Council in August 1958.  |
|           |   | See also Aeronautical Educational Trust Ltd F.2-F.4.  |
|           |   |   |
| F.48-F.50 | 'Chelsea College 1958-59'   | 1958-1959   |
|           |   | Contents of folder so inscribed divided into three for ease of reference: includes correspondence <i>re</i> McCrea's joining the College Advisory Council.                      |
|           |   |   |
| F.51-F.62 | 'Chelsea College'   | 1965-1976   |
|           |   | Contents of folder so inscribed divided into twelve for ease of reference: chiefly duplicated copies of Wakefield Memorial Lectures and Principal's addresses at Prize-givings. |
|           |   |   |
| F.63      | <b>CONSEJO CULTURAL MUNDIAL</b>                                       | 1983  |
|           |   | Brief correspondence <i>re</i> McCrea's nomination as a member of the interdisciplinary Committee of Honorary Presidents.   |

**Societies and organisations, F.1-F.620**

<b>F.64-F.68</b>	<b>DEUTSCHE AKADEMIE DER NATURFORSCHER LEOPOLDINA</b>	<b>1972-1980</b>
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Correspondence and papers. Principally *re* meeting on evolution at which McCrea gave a paper on 'Die Entstehung des Planetsystems', October 1973. See also D.409-D.413.

A photocopied manuscript of McCrea's lecture is at F.67.

Five folders.

<b>F.69-F.78</b>	<b>DUBLIN INSTITUTE FOR ADVANCED STUDIES</b>	<b>1940-1942</b>
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'Dublin Institute 1940 →'. Contents of folder so inscribed divided into ten for ease of reference: correspondence and papers *re* meetings of the School of Theoretical Physics's Governing Board, programme of the School etc.

McCrea was appointed a member of the Governing Board of the School of Theoretical Physics from 31 October 1940.

<b>F.79, F.80</b>	<b>EGYPT CHURCH ASSOCIATION / EGYPT DIOCESAN ASSOCIATION</b>	<b>1973-1979, 1993</b>
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Accounts, circular letters, etc.

Two folders.

<b>F.81</b>	<b>EUROPEAN SPACE AGENCY</b>	<b>1978</b>
-------------	------------------------------	-------------

Duplicated papers *re* scientific programme.



**Societies and organisations, F.1-F.620**

<b>F.82</b>	<b>INDIAN ASSOCIATION FOR GENERAL RELATIVITY &amp; GRAVITATION</b>	<b>1977</b>
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Duplicated papers *re* academic forum listing.

<b>F.83-F.103</b>	<b>INSTITUTE FOR THEORETICAL ASTRONOMY</b>	<b>1960-1966</b>
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Correspondence and papers *re* proposed Institute for Theoretical Astronomy. McCrea was a member (later Chairman) of the Subcommittee of the British National Committee for Astronomy which considered the proposed Institute. Possible locations were Cambridge (its eventual home) and Brighton.

<b>F.83-F.98</b>	<b>'Inst for Theoret. Astr. ~ 1961'</b>	<b>1960-1961</b>
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Contents of folder so inscribed divided into sixteen for ease of reference: principally committee papers and correspondence with colleagues and the Royal Society

At F.83-F.86 are manuscript and typescript notes and drafts by McCrea.

<b>F.99-F.100</b>	<b>'Institute for Theoretical Astronomy 1961-62'</b>	<b>1961-1962</b>
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Contents of folder so inscribed divided into two for ease of reference: committee papers and correspondence with colleagues and the Royal Society.

<b>F.101-F.102</b>	<b>'Mostly Hoyle Inst. from 1965 Feb'</b>	<b>1964-1965</b>
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Contents of folder so inscribed divided into two for ease of reference: includes papers for meeting of Astronomy Subcommittee of the Department of Science and Industrial Research Research Grants Committee, 10 March 1965.

McCrea accepted an invitation to join the Astronomy Subcommittee in September 1964.

**Societies and organisations, F.1-F.620**

- |             |   |                  |
|-------------|---|------------------|
| F.103       | Copy of <i>Cambridge University Reporter</i> , 16 March 1966<br>with reports <i>re</i> the Institute of Theoretical Astronomy                             | 1966             |
| <br>        |   |                  |
| F.104       | <b>INSTITUTE OF ATOMIC INFORMATION FOR THE<br/>LAYMAN</b><br><br>Includes correspondence <i>re</i> talk by McCrea to the<br>Institute.                    | 1956-1957        |
| <br>        |   |                  |
| F.105-F.174 | <b>INTERNATIONAL ASTRONOMICAL UNION (IAU)</b><br><br>See also F.490-F.498.  | 1950-1988        |
| <br>        |   |                  |
| F.105-F.172 | <b>General Assemblies and Symposia</b><br><br>For IAU VII International Congress see F.490, F.491.  | 1955-1988        |
| <br>        |   |                  |
| F.105       | IAU V General Assembly, Paris, 10-17 July 1935<br><br>McCrea's historical recollections, 2 March 1988   | 1988             |
| <br>        |   |                  |
| F.106       | IAU IX General Assembly, Dublin, Ireland, August 1955<br><br>Text of an address by the IAU President Otto Stuve, 29<br>August 1955                        | 1955             |
| <br>        |   |                  |
| F.107       | Joint IAU / URSI [International Union of Radio Science]<br>Symposium on Radio Astronomy, Paris, France, 30 July -<br>6 August 1958<br><br>Off-print only. | 1958             |
| <br>        |   |                  |
| F.108-F.113 | Joint IAU / IUTAM [International Union of Theoretical and<br>Applied Mechanics] Symposium, Varenna, Italy, August<br>1960                                 | 1960<br><br>/... |



**Societies and organisations, F.1-F.620**

/...	Correspondence and papers.  Six folders.	
F.114	IAU Symposium 15 'Problems of Extragalactic Research', Santa Barbara, California, USA, 10-12 August 1961  Correspondence and papers.	1961
F.115-F.119	IAU XII General Assembly Hamburg, West Germany, August 1964  McCrea's manuscript notes of proceedings, typescript draft 'Continual creation and the formation of the galaxies' for Commission 28, miscellaneous duplicated and printed papers.  Five folders.	1964
F.120-F.129	IAU XIII General Assembly, Prague, Czechoslovakia, 22- 31 August 1967	1966-1967
F.120-F.125	General correspondence and papers  Includes McCrea's manuscript notes.  Six folders.	1966-1967
F.126-F.128	'Finance Committee of IAU - Prague 1967'  Contents of folder so inscribed: correspondence and papers.  Three folders.  McCrea was the British member of the Committee.	1967
F.129	Printed booklets: programmes, list of participants, 'Astronomy in Czechoslovakia', etc  1 bundle (seven items).	1967

**Societies and organisations, F.1-F.620**

F.130-F.132	<p>IAU Symposium No.44 'External Galaxies and Quasi-stellar Objects', Uppsala, Sweden, 10-14 August 1970</p> <p>Programme, list of participants, McCrea's manuscript notes on proceedings and report on meeting.</p> <p>Three folders.</p>	1970
F.133-F.151	<p>IAU XIV General Assembly, Brighton, Sussex, 18-27 August 1970</p>	
F.133-F.139	<p>Correspondence and papers</p> <p>At F.138 are McCrea's drafts for University of Sussex honorary degree presentation addresses for O. Heckmann and R.v.d.R. Woolley.</p> <p>Seven folders.</p>	1966-1970
F.140-F.141	<p>McCrea's manuscript notes of proceedings, 25 and 26 August and manuscript draft 'The large-scale variations of quasi-stellar objects'</p> <p>Two folders.</p>	1970
F.142-F.151	<p>Printed and duplicated papers</p> <p>Includes programmes, list of participants, daily bulletins, etc.</p> <p>Ten folders.</p>	1970
F.152-F.155	<p>'I.A.U. - 1972/73 - Meetings'</p> <p>Contents of folder so inscribed divided into four for ease of reference: correspondence and papers.</p>	1972-1973
F.156	<p>IAU XV General Assembly, Sydney, Australia, 21-30 August 1973</p> <p>Preliminary announcement.</p>	1973



**Societies and organisations, F.1-F.620**

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|-------------|--|------|
| F.157       | IAU Symposium 65 'Exploration of the Planetary System',<br>Torun, Poland, 5-8 September 1973<br><br>Programme and abstracts booklet.   | 1973 |
| F.158-F.160 | IAU XVI General Assembly Grenoble, France, 24 August -<br>2 September 1976<br><br>Programme, list of participants, McCrea's manuscript<br>notes of proceedings, etc.<br><br>Two folders and notebook (F.160) . | 1976 |
| F.161-F.162 | IAU Symposium 75 'Star Formation', Geneva,<br>Switzerland, 6-10 September 1976<br><br>Programme, list of participants, McCrea's manuscript<br>notes of proceedings.<br><br>Two folders.                        | 1976 |
| F.163       | IAU XVII General Assembly Montreal, Quebec, Canada,<br>14-23 August 1979<br><br>Preliminary programme etc.   | 1979 |
| F.164-F.165 | XVIII IAU General Assembly, Patras, Greece, August<br>1982<br><br>Programme and list of participants.<br><br>Two folders.<br><br>See also F.169.   | 1982 |
| F.166-F.172 | IAU Symposium 104 'Early Evolution of the Universe and<br>its Present Structure', Crete, 30 August - 2 September<br>1982<br><br>Contents of untitled folder.   | 1982 |

**Societies and organisations, F.1-F.620**

F.166-F.169	<p>Correspondence and papers including programme, list of participants and McCrea's manuscript notes of proceedings</p> <p>Four folders.</p> <p>McCrea talked on 'Constraints on "Unseen" Galactic Halos'.</p> <p>The manuscript notes at F.169 seem to have been taken by McCrea at the Patras General Assembly (F.164, F.165).</p>	1982
F.170-F.172	<p>'Not IAU'</p> <p>Contents of folder also inscribed 'Galactic Envelopes 1982' divided into three for ease of reference: principally McCrea's manuscript notes and drafts.</p> <p>The folder and its contents were found within the same untitled folder as the papers at F.166-F.169.</p>	1982
F.173-F.174	<p>Miscellaneous correspondence and papers <i>re</i> IAU affairs</p> <p>Two folders.</p>	1950-1981
F.175	<p><b>INTERNATIONAL SOCIETY FOR GENERAL RELATIVITY AND GRAVITATION</b></p> <p>Invitation to join new society etc.</p>	1973
F.176-F.181	<p><b>THE MATHEMATICAL ASSOCIATION</b></p> <p>McCrea was President of the Association for 1973.</p>	1973-1974, 1978
F.176	<p>'Visual Aids'</p> <p>Contents of folder so inscribed: correspondence and papers <i>re</i> work of the Association's Visual Aids</p>	



**Societies and organisations, F.1-F.620**

Subcommittee.

McCrea was a member of the Subcommittee which was set up to explore the use of visual aids in the teaching of mathematics.

F.177-F.179

General correspondence and papers *re* the affairs of the Association

Three folders.

At F.179 is a typescript of review by McCrea of *Mathematical Cosmology* by Landsberg and Evans, 1 July 1978.

F.180, F.181

'MA 1974 Annual Conf.'

Contents of folder so inscribed divided into two for ease of reference: correspondence and papers.

F.182

**METEORITICAL SOCIETY**

1953, 1955

Brief correspondence only.

F.183

**MOUNT STROMLO OBSERVATORY**

1958

Annual report for the year 1957.

F.184-F.311

**ROYAL ASTRONOMICAL SOCIETY (RAS)**

1949-1999

McCrea became a member of the Society in 1929. He served the Society over an exceptionally long period and in many capacities, including President, 1961-1963. He also served as Treasurer of the Society and was President of the Royal Astronomical Society Club. He was awarded the Society's Gold Medal in 1976.

/...

**Societies and organisations, F.1-F.620**

/... See also D.726, D.727.

F.184-F.202	General correspondence and papers
F.203-F.247	McCrea's Presidency of the RAS 1961-1963
F.248, F.249	'RAS Treasurer 1976'
F.250	'RAS Library 1977'
F.251-F.265	Royal Astronomical Society Club
F.266-F.311	History of the Society

<b>F.184-F.202</b>	<b>General correspondence and papers</b>	<b>1949-1998</b>
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F.184	1949-1950
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Includes 'first draft' of proposal by McCrea (to be seconded by H.S.W. Massey) 'that the Gold Medal be awarded to Subrahmanyam Chandrasekhar for his contributions to mathematical astrophysics', November 1949.

F.185	1951-1955
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Includes reports on papers and proposal for the award of an Eddington Medal.

F.186-F.188	1958
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Three folders.

At F.186 are duplicated typescript notes of Geophysical Discussion, 21 February 1958.

F.189, F.190	1959
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Two folders.

At F.189 are manuscript and typescript drafts of address on the award of an Eddington Medal to J.S. Hey.

F.190 principally *re* business of the Publications Committee.



**Societies and organisations, F.1-F.620**

- |       |           |  |
|-------|-----------|--|
| F.191 | 1961      |  |
|       |           | Duplicated typescript notes for Geophysical Discussion, 24 November 1961.  |
| F.192 | 1967-1972 |  |
| F.193 | 1974-1975 |  |
| F.194 | 1976      |  |
| F.195 | 1977-1978 |  |
| F.196 | 1979      |  |
| F.197 | 1980      |  |
|       |           | Includes manuscript and typescript drafts of McCrea's address at the 160th anniversary dinner and manuscript draft about the work of S.K. Runcorn. |
| F.198 | 1985-1987 |  |
| F.199 | 1989-1990 |  |
|       |           | Includes typescript draft of article by McCrea on the history of the RAS, 4 August 1990.   |
|       |           | See also D.546.  |
| F.200 | 1991      |  |
| F.201 | 1997-1998 |  |

**Societies and organisations, F.1-F.620**

F.202	N.d.	
<b>F.203-F.247</b>	<b>McCrea's Presidency of the RAS 1961-1963</b>	<b>1961-1963</b>
F.203-F.231	'W.H. McCrea Pres RAS 1961-63 Correspondence and documents'	1961-1963
	Contents of folder so inscribed.	
F.203	1961 February	
F.204-F.205	1961 March	
	Two folders.	
F.206	1961 April	
	<i>Re</i> disposal of books on magnetism and all records of geomagnetism held at Kew Observatory. See also F.207.	
F.207	1961 May	
F.208	1961 July	
F.209	1961 September	
F.210	1961 September - October	
	Principally <i>re</i> Visit of Delegation from Academia Sinica to the Royal Society and special presentation at the London Planetarium on Astronomy in Classical China by Joseph Needham, 19 October 1961.	
	This event was arranged in collaboration with the Royal Society and the Royal Astronomical Society and chaired by McCrea.	



**Societies and organisations, F.1-F.620**

- |             |                          |  |
|-------------|--------------------------|--|
| F.211       | 1961 November            |  |
|             |                          | Includes correspondence and papers <i>re</i> establishment of a Special Purposes Fund.   |
| F.212       | 1961 November - December |  |
|             |                          | <i>re</i> meeting on the British contribution to space research, 8 December 1961.  |
| F.213       | 1962 January             |  |
| F.214       | 1962 February            |  |
| F.215       | 1962 March               |  |
|             |                          | Includes first and second drafts of submission to the Robbins Committee on the position of Astronomy and Geophysics in British Universities. The drafts were prepared by H. Bondi. |
| F.216       | 1962 April               |  |
| F.217       | 1962 May                 |  |
| F.218       | 1962 June                |  |
| F.219       | 1962 July                |  |
| F.220       | 1962 August              |  |
| F.221-F.223 | 1962 September           |  |
|             |                          | Three folders.   |

**Societies and organisations, F.1-F.620**

Includes correspondence and papers *re* Belfast meeting of the Society, 4-7 September 1962.

F.224                      1962 October

F.225-F.227              1962 November

Three folders.

At F.225 are duplicated typescript notes on Astronomer Royal James Bradley (1693-1762) prepared by F.G.G. Carr, National Maritime Museum, for the bicentenary of his death.

F.228                      1962 December

Includes duplicated copy of letter addressed to the officers and council of the RAS from H. Dingle, commenting on a special general meeting of the Society. See F.229 for 'draft reply ... suggested by the President'.

F.229-F.230              1963 January

Two folders.

F.231                      1963 February

F.232-F.241              'W.H. McCrea Pres RAS 1961-1963 For RAS Meetings'              1961-1963

Contents of folder so inscribed.

F.232                      1961, April, October

F.233                      1962 May, June

F.234                      1962 August - October



**Societies and organisations, F.1-F.620**

F.235	1962 September - October  <i>re</i> accommodation needs of the Society.	
F.236	1962 November	
F.237	1962 November, December  Correspondence and papers <i>re</i> 'Bye-laws Memoirs Office reorganisation Fgn-Sec & Geoph. Sec.'	
F.238	1962 November, December  Correspondence and papers <i>re</i> RAS Library.	
F.239	1963 January	
F.240	1963 February	
F.241	1963 March	
F.242-F.247	'W.H. McCrea Pres RAS 1961-63 Some Council Papers'  Contents of folder so inscribed divided into six for ease of reference: committee papers.	1960-1961
F.248, F.249	'RAS Treasurer 1976'  Contents of folder so inscribed divided into two for ease of reference: correspondence, manuscript drafts <i>re</i> McCrea's Treasurership of the RAS.	1976-1978
F.250	'RAS Library 1977'  Contents of folder so inscribed: correspondence and	1977-1978

**Societies and organisations, F.1-F.620**

papers *re* financial support for RAS Library.

**F.251-F.265**

**Royal Astronomical Society Club**

**1961-1999**

Correspondence and papers *re* members, guests, etc.

McCrea was President of the Club 1968-1976.

F.251

1961

One letter only.

F.252-F.253

1968

Two folders.

F.254-F.255

1969

Two folders.

F.256-F.257

1970

Two folders.

F.258-F.259

1971

Two folders.

F.260-F.262

1972

Three folders.

F.263

'Dinner accounts'

1970-1972

Contents of envelope so inscribed.



**Societies and organisations, F.1-F.620**

F.264 1973-1976

F.265 1987-1999

Includes a brief history of the Club and McCrea's manuscript notes on what the Club meant to him.

**F.266-F.311 History of the Society**

**1980-1987**

In 1987 the Society published volume 2 of its history covering the period 1920-1980. The volume was edited by R.J. Tayler and McCrea contributed a chapter on the years 1931-1939.

F.266-F.300 'History of R.A.S. W.H.McC + D.H. Sadler'

1980-1986

Contents of box so labelled divided into thirty-five for ease of reference: manuscript notes and drafts, typescript drafts and correspondence. Labelled groups of papers were originally kept together with paper clips and rubber bands.

The correspondents are D.H. Sadler, R.J. Tayler and G.J. Whitrow.

Includes discussion and suggested revision of H.Dingle's chapter on the 1920s at F.267-F.269. A manuscript draft of McCrea's chapter is at F.284-F.290.

The papers are presented in the order found.

F.301-F.311 'RAS History Ch II'

1982-1987

Contents of folder so inscribed divided into eleven for ease of reference: correspondence, typescript drafts, etc.

The principal correspondent is R.J. Tayler.

**Societies and organisations, F.1-F.620**

**F.312-F.466      ROYAL GREENWICH OBSERVATORY (RGO)      1935-1995**

- |             |   |
|-------------|---|
| F.312-F.345 | Board of Visitors / Science Research Council (SRC)<br>RGO Committee |
| F.346-F.351 | 'Board of Management Isaac Newton Telescope'                        |
| F.352-F.423 | Tercentenary of the Royal Greenwich Observatory<br>1675-1975        |
| F.424-F.456 | Future of the RGO   |
| F.457-F.466 | Miscellaneous correspondence and papers                             |

**F.312-F.345      Board of Visitors / Science Research Council (SRC)      1935-1973**  
**RGO Committee**

McCrea was a longterm member of the Board of Visitors / SRC Committee.

In a letter of 21 June 1983 to the President of the Royal Society (F.424) McCrea states that 'during most of the years about 1943-1965' he was on the old Board of Visitors and when the SRC took over served as first Chairman of their RGO Committee 1965-1971.

The reports of the Astronomer Royal at F.312-E.315 predate McCrea's membership of the Board of Visitors and are presented here for general information.

See also F.574 for SRC RGO Committee.

- |       |   |      |
|-------|---|------|
| F.312 | Report of the Astronomer Royal to the Board of Visitors of the Royal Observatory, Greenwich read at the Annual Visitation of the Royal Observatory, 1935 June 1 | 1935 |
| F.313 | Report of the Astronomer Royal to the Board of Visitors of the Royal Observatory, Greenwich read at the Annual Visitation of the Royal Observatory, 1936 June 6 | 1936 |
| F.314 | Report of the Astronomer Royal to the Board of Visitors of the Royal Observatory, Greenwich read at the Annual Visitation of the Royal Observatory, 1937 June 5 | 1937 |



**Societies and organisations, F.1-F.620**

- |             |  |           |
|-------------|--|-----------|
| F.315       | Report of the Astronomer Royal to the Board of Visitors of the Royal Observatory, Greenwich read at the Annual Visitation of the Royal Observatory, 1938 June 4  | 1938      |
|             |  |           |
| F.316-F.326 | <p>'Minutes of the Proceedings of the Board of Visitors of the Royal Greenwich Observatory, Astronomer Royal's Reports etc with correspondence 1950-1961'</p> <p>Contents of folder so inscribed divided into eleven for ease of reference.</p> <p>At F.318 is the report of His Majesty's Astronomer at the Cape of Good Hope to the Secretary of the Admiralty for the Year 1950.</p> <p>The President of the Royal Astronomical Society appointed McCrea to the Board in 1951.</p>  | 1950-1962 |
|             |  |           |
| F.327-F.337 | <p>'RGO Board of Visitors 1962-3 mainly concerning Visit to South Africa / Effect of Trend Report McC Chairman of sub-committee / setting up of RGO Committee of SRC McC first Chairman'</p> <p>Contents of folder so inscribed divided into eleven for ease of reference: correspondence and papers.</p> <p>McCrea was a member of a Sub-committee of the Board of Visitors which visited South Africa in 1963 (see also G.50-G.55)</p> <p>The Committee of Enquiry into the Organisation of Civil Science chaired by Burke Trend (Trend Report published 1963) recommended the transfer of the administration of the Royal Greenwich Observatory (and the Cape of Good Hope Observatory) from the Admiralty to a Science Research Council. McCrea chaired a sub-committee of the Board of Visitors to consider the effects of the Trend Report and was the Chairman of the SRC RGO Committee which met for the first time on 21 February 1966.</p> <p>A copy of the Trend Report is at F.337</p> | 1962-1966 |
|             |  |           |
| F.338-F.342 | <p>'R.G.O. S.R.C. R.G.O. Committee Mainly 1967-68'</p> <p>Contents of folder so inscribed divided into five for ease of reference: includes papers <i>re</i> astronomy in South Africa.</p>  | 1965-1970 |

**Societies and organisations, F.1-F.620**

F.343-F.345	<p>SRC RGO Committee</p> <p>Correspondence and papers.</p> <p>Three folders.</p>	1969, 1973
F.346-F.351	<p><b>'Board of Management Isaac Newton Telescope'</b></p> <p>Contents of folder so inscribed divided into six for reference: correspondence and papers.</p>	1962-1966
F.352-F.423	<p><b>Tercentenary of the Royal Greenwich Observatory 1675-1975</b></p> <p>McCrea took a leading role in celebrations to mark the Tercentenary of the RGO in 1975. He prepared an historical review of the Observatory which was published by the HMSO in 1975, gave a number of papers on the RGO's history and wrote an article for the tercentenary exhibition catalogue.</p> <p>See also H.350-H.353.</p>	1973-1977
F.352-F.393	<p><i>The Royal Greenwich Observatory An Historical Review Issued on the Occasion of its Tercentenary</i>, London: HMSO, 1975</p>	1974-1975
F.352	<p><b>'First draft "Green copy" '</b></p> <p>Bound typescript copy inscribed on title page ' "Green" copy Red for final revision'. Loose manuscript and typescript pages are enclosed.</p>	
F.353-F.355	<p><b>'1974 W.H. McC RGO Working Copy'</b></p> <p>Contents of folder so inscribed divided into three for ease of reference: typescript draft with manuscript revision.</p>	
F.356-F.361	<p><b>'1974 RGO Xerox with some misc. typing'</b></p> <p>Contents of folder so inscribed divided into six for ease of reference: principally photocopied manuscript draft.</p>	1974



**Societies and organisations, F.1-F.620**

F.362-F.372	<p>'1974 RGO Typescript-final Manuscript'</p> <p>Contents of folder so inscribed divided into eleven for ease of reference: typescript and manuscript drafts.</p>	1974
F.373-F.374	<p>'1974 Comments dealt with'</p> <p>Contents of folder so inscribed divided into two for ease of reference: comments on McCrea's draft, printed and duplicated background material.</p>	1974
F.375-F.376	<p>'1974 RGO Misc. notes'</p> <p>Contents of folder so inscribed divided into two for ease of reference: manuscript notes, printed and duplicated background material.</p>	1974
F.377-F.387	<p>'1974 Royal Greenwich Observatory 1974'</p> <p>Contents of folder so inscribed divided into eleven for ease of reference: photographs, postcards, correspondence, etc.</p>	1974-1975
F.388-F.392	<p>'The Royal Greenwich Observatory Official Information July 1974'</p> <p>Contents of folder so inscribed divided into five for ease of reference: includes a little correspondence.</p>	1974
F.393	<p>Correspondence with HMSO, letters of thanks from recipients of complimentary copies, manuscript list of review and complimentary copies etc.</p>	1974-1991
F.394-F.404	<p>'The Origins, Achievement and Influence of the Royal Observatory, Greenwich 1675-1975', International Historical Symposium, National Maritime Museum, Greenwich, 13-18 July 1975</p> <p>The meeting was organised by the Museum in collaboration with the International Astronomical Union and the International Union for the History and Philosophy of Science. McCrea presented a paper entitled 'The</p>	1975

**Societies and organisations, F.1-F.620**

Royal Greenwich Observatory in the mainstream of science'.

F.394-F.399      '1975 RGO Symposium'      1975

Contents of folder so inscribed divided into six for ease of reference: includes information, correspondence and manuscript and typescript drafts of McCrea's paper.

F.400      Abstracts of papers

F.401-F.404      Contents of untitled folder divided into four for ease of reference: includes (F.401) typescript copy of McCrea's paper      1974-1975

At F.404 is exercise book used for manuscript draft of lecture 'Some heroic times in astrophysics and cosmology', given at Newcastle, 13 May 1974.

F.405-F.409      Reception jointly organised by the Royal Society and the Royal Astronomical Society in celebration of the RGO tercentenary, 17 July 1975      1973-1977

McCrea gave an address at the reception on 'The Royal Observatory and the Study of Gravitation'.

F.405-F.407      '1974 RS and RO 1975 July 17 Address Miscellaneous notes and references on history of RO'      1973-1977

Contents of folder so inscribed divided into three for ease of reference: includes invitation from Royal Society for McCrea to deliver address at reception (F.405).

F.408-F.409      Manuscript and typescript drafts of address      1975

Two folders.

F.410-F.416      Tercentenary Lecture on 'The Royal Greenwich Observatory 1675-1975 Some of its external relations', 6 November 1975      1975

'1975 Nov 6 Tercentenary Lect.'. Contents of folder so



**Societies and organisations, F.1-F.620**

inscribed divided into seven for ease of reference: manuscript and typescript drafts of McCrea's lecture, correspondence, background material.

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|-------------|---|-----------|
| F.417-F.419 | <b>RGO Tercentenary Exhibition</b>  | 1974-1975 |
|             | <p>'1975 Tercentenary Exhibition RGO "Catalogue" '. Contents of folder so inscribed divided into three for ease of reference: correspondence, manuscript and typescript drafts by McCrea entitled 'The modern cosmos'.</p> <p>The exhibition souvenir catalogue included a number of articles including one by McCrea on the modern cosmos.</p>   |           |
| F.420-F.423 | <b>Miscellaneous tercentenary events</b>  | 1975      |
|             | <p>'1975 RGO Tercentenary'. Contents of folder so inscribed divided into four for ease of reference: invitations, press releases, press-cuttings, letters of thanks, memorabilia, etc.</p> <p>At F.420 is a list of 'Events in July/August 1975'.</p>   |           |
| F.424-F.456 | <b>Future of the RGO</b>  | 1983-1990 |
|             | <p>Correspondence and papers on the future of the RGO kept together by McCrea. They principally relate to the decision of the Science and Engineering Research Council (announced March 1986) to move the RGO from Herstmonceux Castle in Sussex.</p> <p>McCrea was a very active campaigner against the move. He corresponded with politicians and colleagues and a number of colleagues copied their letters to him. He also wrote on a number of occasions to The Times which published an article by him on 23 April 1986. He attended a meeting of Fellows at the Royal Society, 23 May 1986, and a meeting convened by Patrick Moore, 6 June 1986, to express and to co-ordinate opinions that opposed the SERC's decision.</p> |           |
| F.424       | Correspondence with the Royal Society and SERC <i>re</i> future of the RGO and British astronomy found clipped together   | 1983-1984 |

**Societies and organisations, F.1-F.620**

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|-------------|---|---------------|
| F.425       | Photocopy of letter from Secretary of the Royal Astronomical Society to Chairman of the SERC, 1 June 1984, with related papers.   | 1984          |
| <br>        |   |               |
| F.426       | '[SERC] Astronomy Working Group Requested statement from member - W.H. McCrea'<br><br>Typescript draft by McCrea, 21 October 1985.<br><br>The working group was set up by the Council to consider future arrangements for the Council's support in the UK of the overseas facilities for ground-based astronomy. McCrea was a member. See also F.590-F.616. |               |
| <br>        |   |               |
| F.427-F.428 | Correspondence and papers <i>re</i> draft report of SERC Astronomy Working Group<br><br>Includes draft report and manuscript drafts of statement by McCrea on the report.<br><br>Two folders.   | December 1985 |
| <br>        |   |               |
| F.429       | Correspondence and papers <i>re</i> Astronomy Working Group and its report<br><br>Includes final version of the report.   | January 1986  |
| <br>        |   |               |
| F.430-F.431 | Correspondence and papers<br><br>Two folders.   | March 1986    |
| <br>        |   |               |
| F.432-F.435 | Correspondence and papers<br><br>Four folders   | April 1986    |
| <br>        |   |               |
| F.436-F.440 | Correspondence and papers<br><br>Five folders.<br><br>Include papers <i>re</i> meeting at Royal Society on 23 May.  | May 1986      |



**Societies and organisations, F.1-F.620**

F.441-F.443	Correspondence and papers  Three folders.  Includes papers <i>re</i> meeting convened by Patrick Moore, 6 June.	June 1986
F.444	Correspondence and papers	July 1986
F.445	Correspondence and papers	September 1986
F.446-F.447	Correspondence and papers  Two folders.	October 1986
F.448	Correspondence and papers	November 1986
F.449	Correspondence and papers	1987
F.450	Manuscript draft of letter from McCrea to Vice-Chancellor, University of Sussex, 4 May 1990	1990
F.451-F.456	Printed and duplicated material  Six folders.  Includes press-cuttings.  At F.452 are papers presenting Manchester University's case as the location for the Royal Greenwich Observatory.	1985-1988
F.457-F.466	<b>Miscellaneous correspondence and papers</b>	<b>1958-1995</b>
F.457	1972-1974	

**Societies and organisations, F.1-F.620**

F.458	Correspondence and papers <i>re</i> appointment of Director  McCrea was a member of the selection panel.	1980-1981
F.459	1987, 1989  1989 correspondence relates to RGO Archives.	
F.460	Correspondence <i>re</i> proposed Herstmonceux Science Centre	1993
F.461-F.462	'Correspondence with Sir Bernard Lovell <i>re</i> R.G.O'  Contents of folder so inscribed divided into two for ease of reference: includes drafts of paper by Lovell on 'The Royal Society, the Royal Greenwich Observatory and the Astronomer Royal' and McCrea's comments on the drafts. The paper was prepared for <i>Notes and Records of the Royal Society</i> .  These papers have suffered water damage.	1993-1995
F.463-F.466	Printed papers  Four folders.	1958-1971
F.467-F.562	<b>ROYAL SOCIETY</b>	<b>1947-1999</b>
F.467-F.489	General correspondence and papers	
F.490-F.509	British National Committee for Astronomy	
F.510-F.516	Southern Hemisphere Telescope Committee	
F.517-F.541	British National Committee on Space Research Subcommittee on Planetary Sciences	
F.542-F.544	Scientific Relief Committee	
F.545	Library Committee	

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**Societies and organisations, F.1-F.620**

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F.546-F.558	Royal Society Discussion Meetings
F.559-F.562	Royal Society Club

**F.467-F.489**

**General correspondence and papers**

**1959-1997**

F.467

1959

F.468

1960

Principally *re* exchange visits with USSR. Includes manuscript draft of short report on McCrea's visit to the Soviet Union, 30 September - 13 November 1960 (see also G.21-G.42).

F.469

1962-1969

Includes papers *re* Committee of Enquiry into the Organisation of Civil Science (chaired by Sir Burke Trend) and the formation of a Science Research Council, 1962, 1964.

F.470

1969

Election under Statute 12.

F.471

1970

Includes typescript drafts by McCrea 'Statement of Chairman of RGO Committee', 'Northern Hemisphere Review' and '1970 October 6 The Royal Society Planetary Sciences Committee'.

F.472

1971-1973

F.473

1974

**Societies and organisations, F.1-F.620**

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|--------------|-----------|---|
| F.474        | 1975      | Includes manuscript draft of letter from McCrea on proposed increase in the size of the Fellowship.   |
| F.475        | 1976-1977 |   |
| F.476        | 1978-1979 | Principally <i>re</i> British National Committee for Logic, Methodology and Philosophy of Science.    |
| F.477        | 1980      |   |
| F.478        | 1981-1982 |   |
| F.479-F.482  | 1983      | Four folders.<br><br>Includes papers <i>re</i> proposed Royal Society Discussion meetings.            |
| F.483, F.484 | 1984      | Two folders.<br><br>Papers <i>re</i> Royal Society Discussion meeting (F.483) and Statute 12 (F.484). |
| F.485        | 1985-1986 | Includes papers <i>re</i> Statute 12, principally McCrea's manuscript drafts.                         |
| F.486        | 1987-1989 | Includes papers <i>re</i> proposed Royal Society Discussion meetings.                                 |



**Societies and organisations, F.1-F.620**

F.487 1990-1991

F.488 1994-1995

Includes papers *re* Statute 12 including manuscript draft letter from McCrea to the President of the Royal Society, 12 June 1995.

F.489 1996-1997

**F.490-F.509 British National Committee for Astronomy 1947-1960**

F.490-F.498 'W.H.McC. 1972 Nat. Cttee and IAU Miscellaneous Records' 1947-1960

Contents of envelope so inscribed divided into nine for ease of reference: correspondence and papers.

At F.490 and F.491 are papers relating to the Seventh IAU Congress, Zurich, 11-18 August 1948.

F.499-F.509 'Nat Cttee Astron. ~ 1955' 1954-1955

Contents of folder so inscribed divided into eleven for ease of reference.

Principally relates to the work of the Sub-Committee on the Needs of Astronomy in Britain.

See F.500 for McCrea's 'Notes on Astronomy in Britain with particular reference to theoretical astrophysics', 1 May 1954

**F.510-F.516 Southern Hemisphere Telescope Committee 1963-1965**

Contents of folder divided into seven for ease of reference: correspondence and papers.

McCrea was a member of the Committee which met for the first time on 3 December 1963.

**Societies and organisations, F.1-F.620**

<b>F.517-F.541</b>	<b>British National Committee on Space Research Subcommittee on Planetary Sciences</b>	<b>1973-1981</b>
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Contents of filing cabinet divider divided into twenty-six for ease of reference: correspondence and papers.

McCrea was a member of the Planetary Sciences Subcommittee (Chairman R. Hide) which met for the first time on 3 January 1974.

The proposed membership and terms of reference are at F.517

<b>F.542-F.544</b>	<b>Scientific Relief Committee</b>	<b>1967-1980</b>
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Correspondence and papers.

Three folders.

<b>F.545</b>	<b>Library Committee</b>	<b>1990</b>
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Correspondence and papers.

McCrea served from 1 January 1991.

<b>F.546-F.558</b>	<b>Royal Society Discussion Meetings</b>	<b>1979-1983</b>
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See also General correspondence and papers at F.467-F.489.

<b>F.546-F.549</b>	<b>'The origin and early evolution of the galaxies', 14-15 February 1979</b>	<b>1979</b>
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Contents of plastic folder divided into four for ease of reference: includes programme and abstracts, McCrea's introduction, manuscript notes of proceedings, etc.

The meeting was organised by McCrea and M.J. Rees.

<b>F.550-F.557</b>	<b>'The Constants of Physics', 26 May 1983</b>	<b>1983</b>
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Contents of plastic folder divided into eight for ease of



**Societies and organisations, F.1-F.620**

reference: includes programme, abstracts, list of participants, McCrea's introduction etc.

McCrea organised the meeting with M.J. Rees and S. Weinberg.

F.558	Brief correspondence <i>re</i> proposed meeting on Comet Halley to be held in 1986	1983
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F.559-F.562	<b>Royal Society Club</b>	<b>1973-1999</b>
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Correspondence and papers.

Four folders.

F.563	<b>ROYAL SOCIETY OF EDINBURGH</b>
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Correspondence and papers.

Includes McCrea's letter to General Secretary, 16 December 1971, *re* 'A Framework for Government Research and Development (Green Paper - Cmnd 4818. H.M.S.O.)'

F.564	<b>SCIENCE, HUMAN VALUES AND RELIGION SOCIETY</b>	1974
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Correspondence and papers *re* this University of Sussex based society.

McCrea was invited to become a member of the Advisory Council in September 1974.

**Societies and organisations, F.1-F.620**

<b>F.565-F.573</b>	<b>SCIENCE POLICY RESEARCH UNIT (SPRU)</b>	<b>1980-1986</b>
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Correspondence and papers, principally *re* SPRU research paper in the area of radio astronomy.

The SPRU was based at the University of Sussex.

Nine folders.

<b>F.574-F.617</b>	<b>SCIENCE RESEARCH COUNCIL/SCIENCE AND ENGINEERING RESEARCH COUNCIL</b>	<b>1966-1985</b>
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F.574-F.589	'Astronomy, Space and Radio Board 1966-'
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F.590-F.616	Astronomy Working Group
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F.617	Miscellaneous correspondence and papers
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<b>F.574-F.589</b>	<b>'Astronomy, Space and Radio Board 1966-'</b>	<b>1966-1977</b>
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Correspondence and papers so labelled.

F.574	Correspondence and papers <i>re</i> Royal Observatory Committee	1966-1969
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F.575-F.582	'S. Hemisphere 1966-'	1966-1971
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Contents of folder so inscribed divided into eight for ease of reference: correspondence and papers.

Relates to the work of the Southern Hemisphere Review Committee.

F.583-F.586	'N. Hemisphere 1968-'	1968-1970
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Contents of folder so inscribed divided into four for ease of reference: correspondence and papers.

Relates to the work of the Northern Hemisphere Review Committee.



**Societies and organisations, F.1-F.620**

F.587	'Review of arrangements in the area of the Astronomy, Space and Radio Board Memorandum by the Secretary', 19 December 1973	1973
F.588	Miscellaneous papers	1975
F.589	Report of the Panel to Review the Future of Radio Astronomy in the UK, February	1977
<b>F.590-F.616</b>	<b>Astronomy Working Group</b>	<b>1985</b>
	The SERC set up a working group under the Chairmanship of Sir John Kingman to review future arrangements for ground-based astronomy. It met for the first time on 24 June 1985.	
F.590-F.591	'1985 SERC'	
	Contents of folder so inscribed divided into two for ease of reference: general correspondence and papers, March-October.	
	Includes invitation from Sir John Kingman for McCrea to serve on working group.	
F.592-F.598	'Astronomy Working Group 24 June 1985'	
	Contents of folder so inscribed divided into seven for ease of reference: correspondence and papers, May-July.	
F.599-F.604	'1985 Oct 18 AWG'	
	Contents of folder so inscribed divided into six for ease of reference: correspondence and papers, August-October.	
	Includes first report (draft), McCrea's comments and revised copy of report.	
	The fourth meeting of the working group was held on 18 October 1985.	

**Societies and organisations, F.1-F.620**

F.605-F.607      Contents of McCrea's untitled folder divided into three for ease of reference: correspondence and papers, July-August.

Includes McCrea's manuscript notes and drafts.

F.608-F.613      'The Future of UK Astronomy Submission to the Council Panel on Future Organisation of Ground-Based Astronomy M.S. Longair'

Contents of folder so labelled divided into six for ease of reference: correspondence and papers, June-September

Includes Longair's 'personal view of the future of British Astronomy.'

F.614-F.616      Correspondence and papers, October-November

Three folders.

F.617      **Miscellaneous correspondence and papers**      **1977-1984**

F.618-F.620      **UNIVERSITY OF LEICESTER**      **1969-1970**

Correspondence and papers *re* proposed planetary and space science centre.

Three folders.



SECTION G	VISITS AND CONFERENCES, G.1-G.260	1954-1989
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See also under International Astronomical Union and Royal Society in Section F.

G.1	International Congress of Mathematicians, Amsterdam, The Netherlands, 2-9 September 1954	1953-1954
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Correspondence *re* arrangements.

McCrea was a delegate of the University of London and gave a short lecture on 'Compressible flow in a gravitational field'

G.2	Meeting to commemorate the fiftieth anniversary of relativity theory, Berne, Switzerland, July 1955	
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Programme, invitation cards, miscellaneous memorabilia.

See also H.64.

G.3-G.14	Visiting Professor of Astronomy, University of California, Berkeley, USA, 1 January - 30 June 1956	1955-1958
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G.3, G.4	Correspondence <i>re</i> arrangements, arising etc.	1955-1956
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Two folders.

Includes at G.4 McCrea's letter to the University Chancellor commenting on the Chancellor's report on student riot of May 1956.

G.5	Manuscript notes, printed papers, etc.	1956-1958
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G.6-G.14	Newspapers	1956
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Nine folders.

G.15-G.17	Solvay Conference, Brussels, Belgium, 9-14 June 1958	1957-1958
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Invitation, programme, list of participants, manuscript

**Visits and conferences, G.1-G.260**

notes, printed material.

Three folders.

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|-----------|--|-----------|
| G.18      | <p>Ninth international colloquium on 'Modeles d'etoiles et evolution stellaire', Institut d'Astrophysique, Universite de Liège, Belgium, July 1959</p> <p>Principally duplicated papers: abstracts, list of participants, etc.</p> <p>McCrea talked on star formation from interstellar matter.</p>  | 1959      |
| <br>      |  |           |
| G.19      | <p>Tenth international colloquium on 'Les Spectres des Astres dans l'ultraviolet lointain', Institut d'Astrophysique, Universite de Liège, Belgium, July 1960</p>  | 1960      |
| <br>      |  |           |
| G.20      | <p>Fourth Symposium on Cosmical Gas Dynamics, Varenna, Italy, 18-30 August 1960.</p> <p>List of participants, McCrea's manuscript notes of proceedings, 22-27 August..</p>   | 1960      |
| <br>      |  |           |
| G.21-G.42 | <p>Visit to the USSR, 20 September - 13 November 1960</p> <p>McCrea was a Royal Society Exchange Visitor. He visited a number of scientific institutes and observatories in Leningrad, the Crimea and Moscow. See also F.468.</p>  | 1948-1960 |
| <br>      |  |           |
| G.21      | <p>Manuscript account of visit by McCrea</p>   |           |
| <br>      |  |           |
| G.22-G.32 | <p>Contents of untitled folder divided into eleven for ease of reference</p> <p>Includes schedules of visit, typescript account of visit, manuscript notes, miscellaneous memorabilia including theatre and circus programmes, tickets, invitation card etc.</p> <p>Correspondence sent to McCrea while he was in the USSR is at G.32.</p> | 1960      |



Visits and conferences, G.1-G.260

G.33-G.42	<p>'USSR 1960'</p> <p>Contents of folder so inscribed divided into ten for ease of reference: Russian scientific papers and miscellaneous memorabilia.</p>	1948-1960
G.43	<p>COPERS Symposium on the Interplanetary Medium, Paris, France, 19 June 1962</p> <p>McCrea's manuscript notes of proceedings, typescript report by J. Ortner.</p>	1962
G.44	<p>Eleventh International Colloquium on 'La Physique des Planetes', University of Liège, Belgium, 9-11 July 1962</p> <p>Correspondence <i>re</i> arrangements and colloquium circulars.</p>	1962
G.45-G.48	<p>International conference on Relativistic Theories of Gravitation, Warsaw, Poland, 25-31 July 1962</p> <p>Programme, abstracts, duplicated typescripts of opening remarks in English and Russian, manuscript notes, etc.</p> <p>Four folders</p>	1962
G.49	Not used	
G.50-G.55	<p>Visit to South Africa, April 1963</p> <p>McCrea was one of the nominated Visitors to make an inspection of the Royal Observatory Cape of Good Hope.</p> <p>Correspondence <i>re</i> arrangements, draft report on visit by R.O. Redman, report on the Observatory's activities, 1962-1963 by H.M. Astronomer, R.H. Stoy and memorabilia.</p> <p>Six folders.</p> <p>See also F.330, F.331.</p>	

**Visits and conferences, G.1-G.260**

G.56, G.57	International Symposium on Gravitational Collapse and other topics in Relativistic Astrophysics, Dallas, Texas, USA, 16-18 December 1963	1963
G.56	Programme	
G.57	Notepad used for manuscript notes on proceedings	
G.58-G.61	Case Institute of Technology, Cleveland, Ohio, USA  'Cleveland 1964'. Contents of folder so inscribed divided into four for ease of reference: principally memorabilia but includes letter <i>re</i> his departure from Case (G.61).  See also A.97.  McCrea was Visiting Professor at Case during the first half of 1964.	1964
G.62-G.66	Second Texas Symposium on Relativistic Astrophysics, University of Texas, Austin, USA, 15-19 December 1964  Contents of untitled folder divided into five for ease of reference: programme, list of participants, McCrea's manuscript notes of proceedings, printed papers, etc.	1964-1965
G.67	Dublin Institute of Advanced Studies, Ireland, January 1965  Correspondence <i>re</i> arrangements etc.  McCrea visited the Institute to give a lecture and for informal discussion.	1964-1965
G.68	Kitt Peak National Observatory, Tucson, Arizona, USA  Three postcards addressed to McCrea at Kitt Peak.  McCrea was Consulting Astronomer at Kitt Peak for a period in 1965.	1965



**Visits and conferences, G.1-G.260**

G.69	<p>NATO Advanced Study Institute on 'The Mantles of the Earth and Terrestrial Planets', University of Newcastle-upon-Tyne, 30 March - 7 April 1966</p> <p>List of participants, programme, etc.</p> <p>McCrea chaired a session on the origin of the moon.</p>	1966
G.70	<p>Fourteenth International Astrophysical Symposium on 'Gravitational Instability and the Formation of Stars and Galactic Structures', Institut d'Astrophysique, Universite de Liège, Belgium, 20-22 June 1966</p> <p>Programme, abstracts, etc.</p>	1966
G.71	<p>Colloquium on Late-type Stars, Trieste, Italy, June or July 1966</p> <p>Invitation only.</p>	1965
G.72, G.73	<p>1967 Texas Symposium on Relativistic Astrophysics, New York, USA, 23-27 January 1967</p> <p>Programme, McCrea's manuscript notes of proceedings.</p> <p>Two folders.</p>	1967
G.74-G.81	<p>Visiting Professor, University of California, Berkeley, USA, April-June 1967</p>	1965-1967
G.74-G.77	<p>'Visiting Professor - University of California, Berkeley'</p> <p>Contents of folder so inscribed divided into four for ease of reference: correspondence and papers <i>re</i> arrangements, etc.</p>	1965-1967
G.78-G.81	<p>'W.H. McCrea 1967 Ap→'</p> <p>Contents of folder so inscribed divided into four for ease of reference: includes manuscript and typescript drafts of paper by McCrea on 'Rapid light-fluctuations of quasars'</p>	1967

**Visits and conferences, G.1-G.260**

G.82-G.84	Visit to the USSR, 20 March - 24 April 1968  McCrea was a Royal Society exchange visitor.	1967-1968
G.82, G.83	Correspondence with Royal Society <i>re</i> arrangements, manuscript and typescript drafts of McCrea's report to the Society on visit  Two folders.	1967-1968
G.84	Softback notebook used by McCrea for personal journal of visit.	1968
G.85	Symposium on Relativistic Thermodynamics, Brussels, Belgium, 8-9 May 1968  McCrea's notes of proceedings etc.	1968
G.86	Conference on Chemical Composition of Cosmic Rays, Institute of Theoretical Astronomy, Cambridge, 16-19 July 1968  Programme, McCrea's manuscript notes of proceedings.	1968
G.87-G.101	Visit to India, 8-18 November 1968  McCrea visited India to attend an informal working conference on the subject of cosmic ray studies in relation to recent developments in astronomy and astrophysics at the Tata Institute of Fundamental Research in Bombay. He talked on 'Quasars - Interpretative'.	1968-1969
G.87-G.91	'Visit to India (November 1968)'  Contents of folder so inscribed divided into five for ease of reference: correspondence <i>re</i> arrangements and arising, memorabilia, etc.	1968-1969
G.92-G.101	'W.H. McCrea Bombay 1968 November'  Contents of folder so inscribed divided into ten for ease of reference: includes McCrea's manuscript notes on proceedings and duplicated papers.	1968



Visits and conferences, G.1-G.260

G.102	Not used	
G.103	<p>Symposium on the origin of the solar system, University of Reading, 'at the end of November [1968]'</p> <p>Photocopy of published account, <i>Nature</i>, January 4, 1969.</p> <p>McCrea discussed 'the segregation of materials in condensation'.</p>	1969
G.104	<p>Fourth Texas Symposium on Relativistic Astrophysics, Dallas, Texas, USA, 16-20 December 1968</p> <p>Programme, McCrea's manuscript notes of proceedings.</p>	1968
G.105-G.109	<p>Inaugural meeting of the European Physical Society on 'The Growth Points of Physics', Florence, Italy, 8-12 April 1969</p> <p>Correspondence <i>re</i> arrangements, abstracts, list of participants, etc.</p> <p>Five folders.</p>	1969
G.110	<p>Sixteenth International Astrophysical Symposium on 'Pre-Main Sequence Stellar Evolution', Institut d'Astrophysique, Universite de Liège, Belgium, 30 June - 2 July 1969</p> <p>Programme, abstracts, McCrea's manuscript notes of proceedings.</p>	1969
G.111	<p>Conference on Infra-red and microwave radiation from nebulae and extragalactic systems, Institute of Theoretical Astronomy, Cambridge, 8-11 July 1969</p> <p>Programme, McCrea's manuscript notes of proceedings.</p>	1969
G.112-G.114	<p>Chaire Georges Lemaitre, Institut d'Astronomie et Geophysique, Universite de Louvain, Belgium, November -December 1969</p> <p>McCrea accepted an invitation to visit Louvain and give</p>	1969-1970

**Visits and conferences, G.1-G.260**

some general lectures on cosmology under the sponsorship of 'Chaire Georges Lemaître'. He was the first holder of the Chaire Georges Lemaître.

Correspondence *re* arrangements, typescript draft of public lecture by McCrea (G.113), etc.

Three folders.

- |             |  |           |
|-------------|--|-----------|
| G.115-G.119 | <p>Pontifical Academy of Sciences study week on 'Role of Nuclei in the Evolution of the Galaxies', Rome, Italy, 12-18 April 1970.</p> <p>Correspondence <i>re</i> arrangements and arising, programme, publications <i>re</i> Vatican Observatory, etc.</p> <p>Five folders.</p>   | 1969-1972 |
| G.120       | <p>Visit to Sweden, 8-15 August 1970</p> <p>The main purpose of McCrea's visit was to attend the International Astronomical Union symposium no.44 on External Galaxies and Quasi-Stellar objects.</p> <p>Manuscript and typescript drafts of report on visit, McCrea's manuscript notes of proceedings of symposium.</p>                                 | 1970      |
| G.121-G.127 | <p>Visit to Greece and Turkey, 15 March - 3 April 1971</p> <p>Correspondence <i>re</i> arrangements and arising, itineraries, manuscript and typescript drafts of lectures on quasi-stellar objects, the solar system and the present situation in cosmology, etc.</p> <p>Seven folders.</p> <p>McCrea's visit was sponsored by the British Council.</p> | 1971      |
| G.128       | <p>Visit to Mexico, 12 April - 17 May 1971</p> <p>Typescript report on visit.</p> <p>McCrea was a Royal Society exchange visitor.</p>  | 1971      |



**Visits and conferences, G.1-G.260**

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|-------------|--|-----------|
| G.129       | The Mayall Symposium, Nogales, Arizona, USA, 8 May 1971<br><br>Programme, McCrea's manuscript notes of proceedings.  | 1971      |
| G.130       | Fowler Symposium on Massive Objects in Astrophysics, Cambridge, 19-21 July 1971<br><br>Programme, list of participants, McCrea's manuscript notes of proceedings.                                  | 1971      |
| G.131       | Meeting in honour of Sir Richard Woolley on 'The Galaxy and the Distance Scale', Herstmonceux, Sussex, 17-20 August 1971<br><br>Programme, McCrea's manuscript notes of proceedings.               | 1971      |
| G.132       | Visit to Argentina, 12 September - 25 October 1971<br><br>McCrea was a Royal Society exchange visitor.<br><br>Typescript copy of McCrea's report on visit.   | 1971      |
| G.133-G.147 | Symposium on the origin of the solar system, Nice, France, 3-8 April 1972<br><br>McCrea was invited to give an introductory paper reviewing the various theories on planetary evolution.           | 1971-1973 |
| G.133       | Correspondence <i>re</i> arrangements  | 1971-1972 |
| G.134-G.137 | 'Nice Symposium Final'<br><br>Contents of folder so inscribed divided into four for ease of reference: list of participants, typescript drafts of McCrea's opening lecture and concluding remarks. | 1972      |
| G.138-G.143 | '1972 Ap Nice'<br><br>Contents of folder so inscribed divided into six for ease of reference: manuscript and typescript drafts of McCrea's introductory paper, McCrea's manuscript notes on papers | 1972      |

Visits and conferences, G.1-G.260

by others, etc.

G.144-G.145	<p>'1972 Solar System Cosmology'</p> <p>Contents of folder so inscribed divided into two for ease of reference: manuscript notes, printed papers etc. ?re preparation of McCrea's Nice paper.</p>	1964-1972
G.146	Typescript copy of paper by L. Mestel at Nice	1972
G.147	Correspondence and papers re publication of proceedings.	1972-1973
G.148	<p>Unidentified meeting, 23 June 1972</p> <p>McCrea's manuscript notes ?of meeting.</p>	1972
G.149	<p>Conference on Astrophysics, Cambridge, 18-20 July 1972</p> <p>Programme and list of participants.</p>	1972
G.150-G.154	<p>Visit to the USA, December 1972</p> <p>McCrea visited Case Western University, Cleveland, Ohio and attended the Sixth Texas Symposium on Relativistic Astrophysics, New York.</p>	1970-1972
G.150	Correspondence re visit to Cleveland	1972
G.151-G.154	<p>Programme, McCrea's manuscript notes of proceedings, typescript outline of talk by S.W. Hawking, etc for Texas Symposium</p> <p>Four folders.</p>	1970-1972
G.155-G.163	<p>Visit to Egypt, February - May 1973</p> <p>McCrea was Royal Society Leverhulme Visiting Professor</p>	1973



**Visits and conferences, G.1-G.260**

attached to the Department of Astronomy and Meteorology, University of Cairo.

See also G.208.

- |             |  |           |
|-------------|--|-----------|
| G.155       | Press release <i>re</i> Visiting Professorship, miscellaneous correspondence received by McCrea while in Egypt, etc  |           |
|             |  |           |
| G.156       | 'Letters answered 1973 Cairo'<br><br>Contents of folder so inscribed.  |           |
|             |  |           |
| G.157-G.158 | Memorabilia<br><br>Two folders.  |           |
|             |  |           |
| G.159       | Small format notebook used by McCrea for record of expenditure   |           |
|             |  |           |
| G.160-G.163 | Duplicated typescript etc <i>re</i> lectures by McCrea on Cosmology, General Relativity<br><br>Four folders.   |           |
|             |  |           |
| G.164       | University of Newcastle upon Tyne, May 1974<br><br>McCrea was invited to visit Newcastle as Visiting Professor for a period of two weeks. He talked to staff and research students and gave two public lectures.<br><br>Correspondence <i>re</i> arrangements. | 1973-1974 |
|             |  |           |
| G.165       | Nineteenth Liège International Astrophysical Colloquium, 8-10 July 1974<br><br>First circular only.  | 1974      |

Visits and conferences, G.1-G.260

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|--------------|--|-----------|
| G.166-G.168  | <p>International colloquium 'Cosmology-History of Science-Theology, University of Denver, Colorado, USA, 5-8 November 1974</p> <p>Correspondence <i>re</i> arrangements, programme, McCrea's manuscript notes of proceedings, manuscript draft of McCrea's paper, etc.</p> <p>See also E.246-E.249.</p> <p>Three folders.</p> <p>McCrea talked on 'Models, Laws and the Universe'.</p> | 1974      |
| G.169        | <p>Seventh Texas Symposium on Relativistic Astrophysics, Dallas, Texas, USA, 16-20 December 1974</p> <p>Programme and McCrea's manuscript notes of proceedings.</p>  | 1974      |
| G.169A       | <p>'Thackeray Meeting', University of Capetown, South Africa, 21 January 1975</p> <p>Correspondence arising, McCrea's manuscript notes of proceedings, etc</p> <p>McCrea talked on interstellar matter in the Magellanic Clouds.</p>   | 1975      |
| G.170        | <p>Visit to University College, Cardiff, 25 April 1975</p> <p>Correspondence <i>re</i> arrangements.</p>   | 1975      |
| G.171        | <p>University of British Columbia, Vancouver, Canada, November 1975 - March 1976</p> <p>McCrea's manuscript journal of his stay as Visiting Professor of Astronomy.</p>  | 1975-1976 |
| G.172-G.181A | <p>NATO Advanced Study Institute on 'The Origin of the Solar System', University of Newcastle upon Tyne, 29 March - 9 April 1976</p> <p>'1976 NATO Adv. Study Institute Origin of Solar System'. Contents of folder so inscribed divided into eleven for</p>   | 1974-1976 |



**Visits and conferences, G.1-G.260**

ease of reference: correspondence *re* arrangements, miscellaneous information, abstracts, McCrea's manuscript notes of proceedings, etc.

McCrea was the Scientific Director of the Study Institute.

- |             |  |           |
|-------------|--|-----------|
| G.182       | Notebook used for McCrea's manuscript notes of proceedings of unidentified meeting, Cambridge, 16-20 August 1976   | 1976      |
| <br>        |  |           |
| G.183       | Anglo-Australian Telescope Symposium, Royal Greenwich Observatory, Herstmonceux, Sussex, 29 October 1976<br><br>Programme, abstracts, list of participants, etc.   | 1976      |
| <br>        |  |           |
| G.184-G.186 | Visit to India, 12 December 1976 - 11 January 1977<br><br>Manuscript and typescript accounts of visit.<br><br>Three folders.<br><br>McCrea was a Royal Society Exchange Visitor. He represented the British Association at the Indian Science Congress Association 64th annual session. Bhubaneswar, Orissa, 3-7 January 1977. | 1976-1977 |
| <br>        |  |           |
| G.187       | Viking Symposium, Palais de la Decouverte, Paris, France, 3-4 March 1977<br><br>Invitation and programme.  | 1977      |
| <br>        |  |           |
| G.188       | Visit to Turkey, 15 October - 4 November 1977<br><br>Manuscript journal of visit.<br><br>McCrea was Visiting Professor at the University of Istanbul.  | 1977      |
| <br>        |  |           |
| G.189       | Visit to Turkey, 31 May - 20 June 1978<br><br>Manuscript journal of visit.   | 1978      |

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**Visits and conferences, G.1-G.260**

/...	McCrea was Visiting Professor at the University of Istanbul.	
G.189A	Meeting of the Astronomical Science Group of Ireland, Trinity College, Dublin, 22 November 1978  Correspondence, programme etc.	1978
G.190-G.193	Ninth Texas Symposium on Relativistic Astrophysics, Munich, Germany, 14-19 December 1978  Programme, McCrea's manuscript notes of proceedings etc.  Four folders.	1978
G.194-G.200	Visit to New Zealand, March - June 1979  McCrea was William Evans Visiting Professor at the University of Otago, Dunedin.	1977-1979
G.194-G.195	'Letters answered in NZ'  Contents of folder so inscribed divided into two for ease of reference: letters received from colleagues in the UK, New Zealand etc while McCrea was visiting New Zealand.  At G.194 is a manuscript draft of a review by McCrea.	1979
G.196-G.199	Contents of untitled folder divided into four for ease of reference: correspondence, manuscript journal of visit, memorabilia	1977, 1979
G.200	Correspondence and papers <i>re</i> visit to Monash University, Clayton, Victoria in connexion with his visit to New Zealand in 1979 and other possible visits in Australia	1978-1979
G.201-G.205	Tenth Texas Symposium on Relativistic Astrophysics, Baltimore, Maryland, USA, 15-19 December 1980  Programme, workshops, manuscript notes of proceedings, etc.	1980  /...



**Visits and conferences, G.1-G.260**

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Four folders and notebook (G.205).

G.206-G.209

Visit to Egypt, 24 November - 15 December 1981

1973-1982

McCrea was a Royal Society Exchange Visitor.

G.206-G.208

Correspondence, manuscript and typescript drafts of  
McCrea's report on visit

1973-1982

Three folders.

At G.208 is printed text of McCrea report to the Royal  
Society on his 1973 visit to Egypt.

G.209

Printed papers

1979-1981

1 bundle.

G.210-G.214

Instellar Comets Workshop, Royal Observatory,  
Edinburgh, April 1982

1953-1982

Programme, McCrea's manuscript notes of proceedings,  
manuscript draft by McCrea reviewing the workshop at its  
close, correspondence arising, printed papers.

Five folders.

G.215

Visit to Istituto di Fisica Matematica, Universita di Torino,  
Italy, April 1983

1982-1983

Correspondence *re* arrangements, etc.

McCrea was originally invited to visit Turin in 1982 but had  
to decline.

G.216-G.219

International Symposium G. Lemaitre on the 50th  
anniversary of his theory of the expansion of the universe,  
Universite Catholique de Louvain, Belgium, 10-14 October  
1983

1983-1984

Correspondence *re* arrangements and arising, circulars,  
programme, abstracts, McCrea's manuscript notes of  
proceedings, text of McCrea's paper, etc.

/...

Visits and conferences, G.1-G.260

- /... Four folders.
- McCrea spoke on 'Physics and cosmology: some interactions'.
- G.220-G.232 Visit to Argentina, 15 November - 7 December 1983 1979-1983
- McCrea was a Royal Society Exchange Visitor. He attended an IAU Latin America Regional astronomy meeting in Buenos Aires.
- Correspondence *re* arrangements and arising, McCrea's report on visit, papers *re* IAU meeting, etc. Three photographs taken at the IAU meeting are at G.224.
- 13 folders.
- G.233 'Supernovae and pulsars', Cosener's House, Abingdon, Oxfordshire, 22-23 March 1984 1984
- 'RAL [Rutherford Appleton Laboratory] 1984'. Contents of folder so inscribed: programme, list of participants, McCrea's manuscript notes, etc.
- G.234-G.236 Twenty-fifth Liège International Astrophysical Colloquium 'Theoretical Problems in Stellar Stability and Oscillations', Institut d'Astrophysique, Université de Liège, Belgium, 10-13 July 1984 1984
- Programme, list of participants, McCrea's manuscript notes of proceedings, manuscript and typescript drafts by McCrea 'Astrophysics in Liege'.
- Three folders.
- G.237 Symposium '21st Century Technology' to mark the centenary of City and Guilds College, Imperial College London, 27 February 1985 1984-1985
- Letter from organiser, information.
- G.238-G.242 NATO Advanced Study Institute 'The physics of the planets: their evolution and structure', University of Newcastle upon Tyne, 9-20 April 1985 1984-1987
- /...



**Visits and conferences, G.1-G.260**

- /... Contents of folder inscribed 'Newcastle 1985 NATO' divided into five for ease of reference: correspondence *re* arrangements and arising, programme, manuscript notes and drafts, etc.
- McCrea chaired a session on 'Satellites, Meteorites, Dust' and gave a paper titled 'Survey of theories of the origin of the solar system'.
- G.243-G.247      Nato Advanced Research Workshop on Secular and Solar and Geomagnetic Variations in the last 10,000 years'      1987
- Preliminary programme, abstracts, manuscript notes and drafts, background material.
- Five folders
- G.248-G.256      Brioni International Conference on interdisciplinary topics in chemistry and physics, Croatia, Yugoslavia, 5-9 September 1988      1987-1988
- Correspondence and papers *re* arrangements, manuscript and typescript drafts of McCrea's lecture, McCrea's manuscript notes of proceedings, etc.
- Nine folders.
- Papers at G.255 were found in McCrea's folder inscribed 'Not to Brioni'.
- Papers at G.256 were found in McCrea's folder inscribed '1988 Sep 5-9 Yugoslavia Molecular Astrophys.'
- The meeting was sponsored by the Institute Rugjer Boskovic (Zagreb, Yugoslavia) and the University of Sussex. H.W. Kroto was a member of the Scientific Committee.
- McCrea gave an invited lecture on 'Comogony: role of molecules and grains'.
- G.257      IAU International School for Young Astronomers, Universiti Kebangsaan Malaysia, Selangor, 28 May - 15 June 1990      1989
- McCrea very regretfully declined an invitation as a very experienced astronomer to help participants 'bind' together the school's wide range of topics. He felt he should not be absent from home at such a distance for so

**Visits and conferences, G.1-G.260**

long a time.

Invitation and related correspondence.

G.258-G.260

Miscellaneous shorter correspondence and papers *re*  
visits and conferences

1964-1988

Includes invitations to meetings for which there is no  
evidence of McCrea's attendance.

Three folders.



**SECTION H**

**HISTORY OF SCIENCE AND SCIENTIFIC BIOGRAPHY,  
H.1-H.465**

**1921-1997**

H.5

Manuscript notes etc

1975-1987

H.9

For McCrea's historical writing on the Royal Astronomical Society and the Royal Greenwich Observatory see Section F.

1975-1979

H.10

H.1-H.326 ARRANGED ALPHABETICALLY BY SCIENTIST

1975

H.327-H.361 ARRANGED ALPHABETICALLY BY TITLE OR TOPIC

H.11-H.15

H.362-H.465 MISCELLANEOUS

**H.1-H.326**

**ARRANGED ALPHABETICALLY BY SCIENTIST**

**1921-1997**

H.15-H.18

Subrahmanyan Chandrasekhar (1910-1995)

1987, 1988

**H.1-H.15**

**John Bevis (1695-1771)**

**1975-1981**

H.1, H.2

'John Bevis 1695-1771'

1975

H.19

Contents of folder so inscribed divided into two for ease of reference: manuscript notes and drafts, correspondence, printed and duplicated background material, etc.

1990

H.3

'Bevis Atlas'

1975

H.17

S. Chandrasekhar some recollections by W.H. McCrea

Contents of folder so inscribed: manuscript notes, duplicated papers and letter.

H.4

'Bevis Life'

1975

Contents of folder so inscribed: correspondence, etc

H.5-H.7

'Charts' Nicolaus Copernicus (1473-1543)

1982, 1975

Contents of envelope so inscribed divided into three for ease of reference: duplicated papers, letter

to mark the quincentenary of Copernicus's birth in 1973.

**History of science and scientific biography, H.1-H.465**

H.8	Manuscript notes etc	1975-1981
H.9	Correspondence	1976-1979
H.10	Notebook inscribed with McCrea's name and the date 1975  Used from the front and back for notes on Bevis etc.	1975
H.11-H.15	Duplicated and printed background material  Five folders.	
H.16-H.18	<b>Subrahmanyan Chandrasekhar (1910-1995)</b>  See also H.45, H.46.	<b>1947, 1990</b>
H.16	Review for THES of: A charmed life in science Chandra: A biography of S. Chanrasekhar by K.C. Wali  7pp typescript 'revised 1990 Oct 6'.	1990
H.17	'S. Chandrasekhar some recollections by W.H. McCrea'  5pp typescript draft	n.d.
H.18	'The Scientist'  Offprint by Chandrasekhar.	1947
H.19-H.30	<b>Nikolaus Copernicus (1473-1543)</b>  Correspondence and papers <i>re</i> meetings and publications to mark the quincentenary of Copernicus's birth in 1973.	<b>1955-1986</b>



**History of science and scientific biography, H.1-H.465**

- |            |  |            |
|------------|--|------------|
| H.19, H.20 | <p>'1973 Paris / corresp. / Copernicus programme'</p> <p>Contents of folder so inscribed divided into two for ease of reference: correspondence and papers <i>re</i> meetings at the Royal Society in London and in France, etc, 1973 and correspondence <i>re</i> Copernicus edition sold by the Royal Astronomical Society in 1949, 1986.</p>  | 1973, 1986 |
| H.21-H.30  | <p>Manuscript drafts for article or articles on Copernicus, correspondence, background material, etc</p> <p>Ten folders.</p>   | 1955-1974  |
| H.31-H.41  | <p><b>Ebenezer Cunningham (1881-1977)</b></p> <p>McCrea wrote an obituary for the <i>Bulletin of the London Mathematical Society</i>.</p> <p>'Cunningham 1977'. Contents of folder so inscribed divided into eleven for ease of reference: correspondence, typescript and manuscript drafts, proof, notes and background material.</p>   | 1977       |
| H.42-H.62  | <p><b>Sir Arthur Stanley Eddington (1882-1944)</b></p> <p>McCrea wrote an article for <i>Contemporary Physics</i> (1982, vol.23, no.6) 'Recollections of Sir Arthur Eddington OM FRS 28 December 1882-22 November 1944', an article on Eddington for <i>Scientific American</i> published in June 1991 issue and a number of reviews of books about Eddington.</p> <p>McCrea was also the author with G. Temple of the obituary of Eddington published by the <i>Journal of the London Mathematical Society</i> 1945 and was approached ca 1979 in respect of a contribution to a proposed centenary volume about Eddington.</p> | 1931-1991  |
| H.42-H.44  | <p>'1981 A.S. Eddington'</p> <p>Contents of folder so inscribed divided into three for ease of reference: correspondence and papers <i>re</i> proposed centenary volume and correspondence and manuscript draft of <i>Contemporary Physics</i> article, background material etc.</p> <p>At H.44 is off-print of obituary by McCrea and Temple.</p>   | 1945-1982  |

# History of science and scientific biography, H.1-H.465

H.45, H.46                      'Chandra[sekhar]/Edd[ington].'                      1982-1984

Contents of folder so inscribed divided into two for ease of reference: includes off-print of McCrea's *Contemporary Physics* article and manuscript draft of review of 'Eddington: The most distinguished astrophysicist of his time' by Chandrasekhar, 23 December 1983 and manuscript draft of 'Chandrasekhar on Eddington and black holes', 13 August 1984.

H.47-H.55                      '1988 June Eddington'                      1988-1991

Contents of folder so inscribed divided into nine for ease of reference: correspondence, drafts, background material *re Scientific American* article.

H.56                              'Foreword by Sir William McCrea    The Expanding Universe by Sir Arthur Eddington'                      n.d.

Manuscript draft.

*The Expanding Universe* was republished by Cambridge University Press in 1987.

H.57-H.62                      Off-prints                      1931-1945

Includes obituary notices and Eddington's own publications.

Six folders.

At H.62 is brief correspondence *re* McCrea and Temple's 1945 obituary, found with the off-prints which may have been assembled in connexion with the preparation of the memoir.

H.63-H.123                      **Albert Einstein (1879-1955)**                      1955-1987

McCrea wrote and lectured about Einstein and his work on a number of significant anniversaries, for example, 1955 the year of his death and the fiftieth anniversary of relativity theory, 1965-1966 the fiftieth anniversary of the theory of general relativity and 1979 the centenary of his birth.



# History of science and scientific biography, H.1-H.465

McCrea was particularly in demand on the occasion of the 1979 centenary. He wrote an article on 'Albert Einstein, Physicist' for *Interdisciplinary Science Reviews*, December 1978 which was also published in German translation in *Naturwissenschaftliche Rundschau* 1979. He also published an article on 'Cosmology after Einstein' in the *New Scientist*, vol. 82, no. 1145, 8 March 1979.

He was invited to contribute to a semi-popular book on general relativity published to mark the Einstein centenary (Editor G.E. Tauber, Tel-Aviv University). McCrea's contribution was titled 'Cosmology sixty years on'. He was invited to contribute to a commemorative book 'with an article on the evolution and the preset [sic] status of cosmological studies first originated by Einstein's scientific work'. Editor A.Y. Özemre, University of Istanbul. He was invited to contribute to a book entitled *Centenario di Einstein* in preparation under the patronage of the Accademia Nazionale dei Lincei.

He gave a talk at the 'Einstein Centenary Meeting 9 March 1979' on 'Einstein: Relations with the Royal Astronomical Society' which was published in *Q.Jl R. astr. Soc.* vol 20 (1979), 251-260. He also gave a talk to students at Oxford, 18 October 1979.

He organised the Royal Society's Einstein Centenary Review Exhibit and wrote the introduction to the exhibition booklet.

H.63-H.67	'Einstein 1955'	1955
	Contents of envelope so inscribed.	
H.63	Obituaries including off-print of McCrea's obituary for <i>Nature</i>	1955
H.64	Programme, list of participants etc for international conference on fiftieth anniversary of relativity theory, Berne, Switzerland, 11-15 July 1955; '50 Jahre Relativitaetstheorie', Technische Rundschau, 1955	1955
	See also G.2.	
H.65-H.67	'Einstein / Objective of E's work M.S. & spare copies / Notes'.	1955
	Contents of folder so inscribed divided into three for ease of reference: includes manuscript and typescript drafts 'On	

**History of science and scientific biography, H.1-H.465**

the objective of Einstein's work', 27 October 1955.

Three folders.

H.68	'1965 Einstein "Meaning of R"'	1965
	Contents of folder so inscribed: manuscript and typescript drafts of McCrea's foreward to edition of Einstein's <i>The Meaning of Relativity</i> , 18 April 1965.	
H.69-H.75	'A. Einstein Lectures 1965 May-June'	1965
	Contents of folder so inscribed divided into seven for ease of reference: typescript drafts of six lectures given by McCrea at York; manuscript notes including notes for talk on Einstein to YMCA.	
	See also H.76-H.84.	
H.76-H.83	'Einstein 1965 Misc. notes Lectures'	1965
	Contents of folder so inscribed divided into eight for ease of reference: manuscript drafts of McCrea's six lectures on Einstein (see H.69-H.75), manuscript notes, 8pp typescript obituary of Einstein by McCrea, 13 May 1955, for <i>Nature</i> , etc.	
H.84	Not used	
H.85, H.86	'1965 Einstein Reprints Pamphlets'	1962-1964
	Contents of folder so inscribed divided into two for ease of reference: ?background material for lectures.	
H.87	'Albert Einstein W.H. McCrea Possible comments for BBC'	1965
	2pp typescript, 1 June 1965, with manuscript notes attached.	



**History of science and scientific biography, H.1-H.465**

- |              |   |           |
|--------------|---|-----------|
| H.88         | 'Einstein's greatest contribution', <i>New Scientist</i> , 17 March 1966<br><br>Typescript draft of article under its original title 'Jubilee of General Relativity' and article as published in <i>New Scientist</i> .   | 1966      |
| H.89-H.102   | 'Einstein Centenary'<br><br>Contents of folder so inscribed divided into fourteen for ease of reference: correspondence, drafts, proof, background material etc <i>re</i> a number of centenary publications and celebrations with which McCrea was associated including article for <i>Interdisciplinary Science Reviews</i> and Royal Society and Royal Astronomical Society occasions. | 1977-1979 |
| H.103, H.104 | 'Einstein Tauber 1978'<br><br>Contents of folder so inscribed divided into two for ease of reference: correspondence, drafts etc <i>re</i> contribution to semi-popular book on general relativity (editor G.E. Tauber).  | 1978      |
| H.105-H.108  | '1978 Einstein Turkey'<br><br>Contents of folder so inscribed divided into four for ease of reference: correspondence including invitation to contribute to commemorative Einstein volume, drafts of paper on 'Cosmological considerations' etc.  | 1978      |
| H.109-H.116  | 'Einstein 1979'<br><br>Contents of folder so inscribed divided into eight for ease of reference: correspondence, manuscript notes, typescript drafts of McCrea's paper for Royal Astronomical Society, articles by McCrea in <i>Naturwissenschaftliche Rundschau</i> and <i>New Scientist</i> , background material (including papers on Einstein by others), etc.                        | 1978-1979 |
| H.117-H.119  | 'Einstein 1979 Oxford'<br><br>Contents of folder so inscribed divided into three for ease of reference: manuscript and typescript draft and transparencies for McCrea's talk to Oxford students,  | 1978-1979 |

**History of science and scientific biography, H.1-H.465**

background material including off-prints of McCrea's own Einstein papers and Royal Society exhibition catalogue.

- |              |   |                  |
|--------------|---|------------------|
| H.120        | Miscellaneous papers <i>re</i> Einstein centenary   | 1977-1979        |
|              | Includes correspondence <i>re</i> proposed contribution by McCrea to 'Centenario di Einstein' volume and Royal Astronomical Society notice for Einstein centenary meeting.  |                  |
| H.121        | 'Einstein 1984'   | 1984             |
|              | Contents of folder so inscribed: correspondence with L.R.B. Elton and copy of paper by Elton 'Einstein, Relativity and the German Press'  |                  |
| H.122        | Review for <i>New Scientist</i> of: <i>The collected papers of Albert Einstein Volume 1 the Early Years 1879-1902</i> , John Stachel editor, Princeton University Press   | 1987             |
|              | Manuscript and typescript drafts of McCrea's review, 31 August 1987.  |                  |
| H.123        | Miscellaneous papers <i>re</i> Einstein   | n.d., 1955       |
| H.124-H.179  | <b>Sir Ralph Howard Fowler (1889-1944)</b>  | <b>1921-1997</b> |
|              | McCrea gave the centenary lecture in Cambridge on 24 October 1989. An edited version appeared in the <i>The Cambridge Review</i> , March 1990. The centenary lecture was also published in <i>Notes &amp; Records of the Royal Society</i> vol 47(1), 59-74 (1993). |                  |
| H.124, H.125 | Correspondence and papers <i>re</i> arrangements, recollections etc.  | 1988-1989        |
|              | Two folders.  |                  |



**History of science and scientific biography, H.1-H.465**

H.126-H.129	<p>'R.H. Fowler Drafts etc.'</p> <p>Contents of folder so inscribed divided into four for ease of reference: manuscript and typescript drafts etc.</p> <p>At H.126 are manuscript notes for talk about Fowler given at Sussex, 22 February 1989.</p>	1988-1989
H.130-H.133	<p>'R.H.F. drafts of first version'</p> <p>Contents of folder so inscribed divided into four for ease of reference: manuscript and typescript drafts.</p>	1989
H.134-H.137	<p>'R.H.F. file 1989'</p> <p>Contents of folder so inscribed divided into four for ease of reference: manuscript notes, typescript drafts, background material etc.</p>	1989
H.138, H.139	<p>'R.H.F. Replies to enquiry 1989'</p> <p>Contents of folder so inscribed divided into two for ease of reference: correspondence from those whom McCrea had approached for information.</p>	1989
H.140, H.141	<p>'1989 Fowler R.H. Material from Fowler family'</p> <p>Contents of folder so inscribed divided into two for ease of reference: correspondence, 1989, with photocopies of correspondence from Head Master and Second Master to Fowler's father and school reports, Winchester, 1903-1908.</p>	1989
H.142	<p>'Fowler Transparencies'</p> <p>Contents of folder so inscribed.</p>	1989
H.143	<p>'1989 Feb 22 Transparencies II'</p> <p>Contents of envelope so inscribed.</p>	1989

**History of science and scientific biography, H.1-H.465**

H.144, H.145	<p>'Cambridge Review 1990'</p> <p>Contents of folder so inscribed divided into two for ease of reference: correspondence <i>re</i> publication of edited version of McCrea's Fowler Lecture, manuscript and typescript drafts.</p>	1989-1992
H.146-H.152	<p>'1992 R.H. Fowler + Foreword Some tables and photos'</p> <p>Contents of folder so inscribed divided into seven for ease of reference: drafts, photographs, correspondence, etc.</p> <p>Includes drafts for publication of McCrea's Fowler Lecture in <i>Notes &amp; Records</i>.</p> <p>Copies of photographs of Fowler are at H.147.</p>	1988-1992
H.153-H.158	<p>'1992 R.H. Fowler'</p> <p>Contents of folder divided into six for ease of reference: drafts, correspondence, photograph etc <i>re</i> publication of McCrea's Fowler Lecture in <i>Notes &amp; Records</i>.</p> <p>At H.153 is copy of photograph taken during 1927 Solvay Congress for Physics.</p>	1992-1995
H.159-H.161	<p>Contents of untitled folder divided into three for ease of reference: correspondence <i>re</i> Fowler Lecture and its subsequent publication in <i>Notes &amp; Records</i>, proof copy and typescript draft.</p>	1988-1993
H.162-173	<p>'Fowler Drafts miscellaneous'</p> <p>Contents of folder so inscribed divided into twelve for ease of reference: manuscript and typescript drafts.</p>	1989-1992
H.174-H.179	<p>Background material</p>	1921-1997
H.174-H.176	<p>'Fowler Reprints'</p> <p>Contents of envelope so inscribed divided into three for ease of reference.</p>	1925-1931



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H.177	Obituary, order of funeral service and Royal Society memoir.	1944-1945
H.178, H.179	Miscellaneous printed and duplicated papers  Two folders.  Includes <i>Cambridge Review</i> , March 1990 (H.179).	1986-1997
H.180	<b>Edward Carey Francis (d 1966)</b>  Note by McCrea supplementary to <i>Times</i> obituary, correspondence arising.	1966-1967
H.181	<b>Sir William Rowan Hamilton (1805-1865)</b>  Correspondence, newspaper cuttings, report by McCrea for <i>Nature</i> re public memorial to Hamilton (Broome Bridge at Cabra, Dublin).	1958
H.182-H.189	<b>Sir James Hopwood Jeans (1877-1946)</b>	1954-1978
H.182	'The writing and Cosmology of Sir James Jeans'  Typescript draft and duplicated copy of 'As Broadcast' script for talk by McCrea transmitted on BBC Radio Third Programme, 15 January 1954.	1954
H.183-H.188	'J.H. Jeans'  Contents of folder so inscribed divided into six for ease of reference: correspondence, manuscript and typescript drafts, background material etc.  McCrea talked about Jeans 'pioneer of modern astrophysics' at a meeting of the Royal Astronomical Society, 14 October 1977. This was subsequently published by the <i>Q.Jl R. astr. Soc.</i> (1978). An article about Jeans was also published by Institute of Physics in <i>Phys. Bull.</i> vol. 29, 1978.  Background material includes off-print by McCrea of 'The	1954-1978

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writing and cosmology of Sir James Jeans', *Irish Astronomical Journal* vol.4, no.1, March 1956.

H.189                      'The Jeans Instability'                      [1977]

Typescript draft also headed 'R.A.S. "Jeans Centenary" Talk. Unpublished (Summary in *Observatory* magazine)'.

H.190                      **Johannes Kepler (1571-1630)**                      1972

Correspondence *re* query by McCrea about Jonathan Swift, Kepler and the two satellites of Mars.

H.191-H.193              **William Ogilvy Kermack (1898-1970)**                      1971-1972

McCrea first met Kermack in 1930 and had direct scientific contact with him over the next two and a half years, publishing a number of joint papers. In 1971 McCrea answered a request for information from D.P. Cuthbertson who was preparing a memorial lecture. He also wrote a note on Kermack's contribution to mathematical theory for the Royal Society memoir of Kermack.

Correspondence, drafts etc.

Three folders.

A copy of Cuthbertson's memorial lecture is at H.192 and the Royal Society memoir at H.193.

H.194                      **Gerard Peter Kuiper (1905-1973)**                      1974

Correspondence, draft, biographical information, memorial address by B.J. Bok, etc *re* McCrea's obituary for *Nature*.

H.195, H.196              **Sir (Alfred Charles) Bernard Lovell (b.1913)**                      1983-1984

H.195                      'Lovell: Vision and Courage', *New Scientist*, 1984                      1983-1984

Manuscript drafts etc for McCrea's review of *Bernard Lovell: A Biography* by Dudley Saward, Robert Hale,



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London, 1984

H.196                      Talk to Sussex University Astronomy Society, 18 October  
1984

Transparencies, etc.

H.197                      **George Cunliffe McVittie (1904-1988)**                      **1988-1989**

McCrea's obituary for the *Independent*, 11 March 1988  
and typescript draft of paper given by McCrea at a Royal  
Astronomical Society commemorative meeting, as  
prepared for publication, 14 June 1989.

H.198                      **Nevil Maskelyne (1732-1811)**                      **1989**

Typescript draft and proof of McCrea's Review for *Notes &  
Records of: Nevil Maskelyne: the seaman's astronomer* by  
Derek Howse, Cambridge University Press, 1989.

H.199-H.222              **E.A. Milne (1896-1950)**                      **1933-1997**

McCrea wrote the obituary notices for the Royal Society,  
the Royal Astronomical Society and the *Observatory*  
magazine and the entry in the *Dictionary of National  
Biography*. He also gave the 1985 Milne Lecture which  
was published in a centenary volume of Milne Lectures,  
1977-1996.

H.199-H.209              'E.A. Milne Sundry notes drafts correspondence'                      1950-1951

Contents of folder so inscribed divided into eleven for  
ease of reference: correspondence with colleagues about  
Milne, drafts of McCrea's obituaries for Milne, etc.

H.210                      Brief correspondence with A.V. Hill re McCrea's Royal  
Society obituary notice of Milne                      1970

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H.211	Correspondence, draft chapters of Milne biography sent to McCrea by N.S. Hetherington for comment	1978
H.212	Correspondence with Meg Weston Smith (daughter of Milne) <i>re</i> her article on her father's time with A.V. Hill in the First World War, etc	1989-1990
H.213-H.216	<p>'1992 E.A. Milne'</p> <p>Contents of folder so inscribed divided into four for ease of reference: includes letter from Meg Weston Smith (Milne's daughter) and draft of a chapter of her Milne biography sent to McCrea 1992 (H.213), letters from Weston Smith, 1988, 1997 sending McCrea items related to Milne (H.214), off-print by Milne 1933 (H.215), Milne's obituaries of R.H. Fowler 1944-1945 and obituaries of Milne by McCrea and others 1950-1951 (H.216), etc.</p>	1933-1997
H.217-H.222	Milne Centenary Publication: Bondi and Weston-Smith (ed): <i>The Universe Unfolding</i> , 1997. (Volume of Milne Lectures 1977-1996 published by Oxford University Press)	1985-1997
H.217-H.221	<p>'Milne 1996'</p> <p>Contents of envelope so inscribed divided into five for ease of reference: correspondence with Miranda Weston-Smith (Milne's grand-daughter) and Dennis Sciama (one letter) <i>re</i> McCrea's 1985 Milne Lecture and drafts of addendum to lecture written specially for the centenary volume but not used, 1995-1996 (H.217, H.218); also two 1992 letters and one 1995 letter from Meg Weston Smith (Milne's daughter) (H.221), typescript and off-print of 1985 lecture (published in <i>Q. Jl. R. astr. Soc.</i> 1986) (H.219, H.220), etc.</p>	1985-1996
H.222	Brief correspondence from Oxford University Press, McCrea's contribution to Bondi and Weston-Smith (ed): <i>The Universe Unfolding</i> , etc.	1997
H.223, H.224	<p>Valerie P. Myerscough (1942-1980)</p> <p>McCrea wrote the obituary for the <i>Quarterly Journal of the RAS</i>.</p>	1980-1982  /...



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- /...
- 'Valerie Myerscough 1980'. Contents of envelope so inscribed divided into two for ease of reference: correspondence, typescript draft, duplicated background material.
- H.225 Ernst Julius Öpik (1893-1985) 1985-1986**
- Typescript draft of article 'Glimpses of Öpik' with related correspondence.
- H.226-H.245 Henry Hemley Plaskett (1893-1980) 1977-1983**
- McCrea wrote the Royal Society biographical memoir of Plaskett (*Biographical Memoirs of Fellows of the Royal Society*, vol 27, November 1981).
- H.226-H.234 'H.H. Plaskett Correspondence for Memoir 1980-81' 1980-1981**
- Contents of envelope so inscribed divided into nine for ease of reference: correspondence with the Royal Society, Plaskett's family and colleagues *re* the memoir.
- H.235-H.238 'H.H. Plaskett Drafts 1980-1981' 1980-1981**
- Contents of envelope so inscribed divided into four for ease of reference: manuscript and typescript drafts
- H.239 Typescript draft 'Marked for press'**
- H.240-H.242 Photocopies of minutes of meetings of Visitors, Radcliffe Observatory, Oxford 1930-1961 1980-1981**
- Background material for the Plaskett memoir.
- Three folders.
- H.243 Miscellaneous correspondence, etc 1977-1983**
- Letter, 6 September 1977, is from Plaskett to McCrea.
- /...

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/... Includes letters from readers of McCrea's memoir.

H.244 Photographs

H.245 Off-print of McCrea's memoir

**H.246 Donald Harry Sadler (1908-1987) 1987**

Letter and notes on Sadler's career; typescript draft of supplementary note to published obituary of Sadler.

**H.247-H.269 Erwin Schrödinger (1887-1961) 1961-1988**

McCrea lectured on 'Eamon de Valera, Erwin Schrödinger and the Dublin Institute' at the Schrödinger centenary conference, Imperial College London, 31 March - 3 April 1987. See also J.251.

An article about Schrödinger by McCrea was also published in *The Times Higher Educational Supplement*, 17 April 1987.

**H.247-H.268 'Schrödinger 1987' 1961-1988**

Correspondence and papers so labelled divided into twenty two for ease of reference: correspondence *re* conference arrangements and preparation of paper, manuscript notes, manuscript and typescript drafts, conference programme, background material *re* Dublin Institute for Advanced Studies, Dunsink Observatory, Eamon de Valera, etc.

**H.269 'Erwin Schrödinger: Vienna to Dublin' 1987**

Typescript draft, newspaper cutting of published article



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<b>H.270</b>	<b>Wilhelm de Sitter (1872-1934)</b>	<b>1972</b>
	<p>McCrea wrote an article to mark the centenary of De Sitter's birth for the <i>Journal of the British Astronomical Association</i></p> <p>Contents of untitled folder: correspondence, manuscript and typescript drafts, offprint, background material.</p>	
<b>H.271, H.272</b>	<b>Noel Bryan Slater (1912-1973)</b>	<b>1973-1974</b>
	<p>McCrea wrote an obituary notice for the <i>Royal Astronomical Society Q. Jl. R. astr Soc.</i> vol 15, 65-57. 1974.</p> <p>'Slater 1973'. Contents of folder so inscribed divided into two for ease of reference: correspondence with colleagues, obituaries by others, manuscript drafts, offprint of McCrea's obituary.</p>	
<b>H.273</b>	<b>Edmund Clifton Stoner (1899-1968)</b>	<b>1969</b>
	<p>1p typescript note by McCrea on Stoner's interest in astrophysical theory + bibliography, 19 March 1969.</p>	
<b>H.274, H.275</b>	<b>Frederick John Marrian Stratton (1881-1960)</b>	<b>1981</b>
	<p>McCrea gave a talk at the Royal Astronomical Society in October 1981 to mark the centenary of his birth.</p> <p>'1981 F.J.M. Stratton'. Contents of folder so inscribed divided into two for ease of reference: letter, manuscript and typescript drafts.</p>	
<b>H.276</b>	<b>Sir Joseph John Thomson (1856-1940)</b>	<b>n.d.</b>
	<p>Photograph only.</p>	

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H.277-H.295	<b>Sir Edmund Taylor Whittaker (1873-1956)</b>	<b>1937-1988</b>
	McCrea wrote an obituary of Whittaker for the <i>Journal of the London Mathematical Society</i> . He also wrote the foreword to a new edition of Whittaker's <i>Analytical Mechanics</i> , 1987.	
H.277-H.280	<b>'Sir Edmund Whittaker 1956'</b>	<b>1956-1957</b>
	Contents of folder so inscribed divided into four for ease of reference: correspondence, press-cuttings, 30pp typescript + references, manuscript notes.	
H.281-H.283	<b>'ETW 1956'</b>	<b>1956-1957</b>
	Contents of folder so inscribed divided into three for ease of reference: correspondence, typescript draft, manuscript notes, etc.	
H.284-H.286	Contents of untitled folder divided into three for ease of reference: manuscript and typescript drafts	
H.287-H.291	Contents of untitled folder divided into five for ease of reference: manuscript and typescript drafts	
H.292	<b>'Biography of Sir Edmund Whittaker'</b>	
	Contents of envelope so inscribed: typescript draft biographical account with focus on Whittaker's Catholic faith.	
H.293	<b>Copy of <i>The Student</i>, 30 November 1937</b>	<b>1937</b>
	This Edinburgh University student publication includes an article by Whittaker 'A chapter on religion', pp102-103	
H.294, H.295	<b>'1987 CUP'</b>	<b>1987-1988</b>
	Contents of folder so inscribed divided into two for ease of reference: correspondence with Cambridge University Press, 1987-1988 and manuscript and typescript drafts of	



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McCrea's foreword to Whittaker's *Analytical Mechanics*, August 1987.

H.296-H.326	<b>Sir Richard van der Riet Woolley (1906-1986)</b>	<b>1958-1989</b>
	McCrea wrote the biographical memoir for the Royal Society <i>Biogr. Mem. Fell. R. Soc.</i> vol. 34 (1988), pp 92-98. A substantially identical version of the Royal Society memoir was published in <i>Historical Records of Australian Science</i> vol.7, no.3.	
H.296-H.321	'Some notes and records used in preparing Royal Society memoir'	1987-1989
	Bundle of papers so labelled.	
H.296	Off-print of McCrea's Royal Society memoir	1988
H.297	McCrea's memoir as published in <i>Historical Records of Australian Science</i>	
H.298	'R.v.d.R.W. Autobiography 1906-38'	
	Contents of envelope so inscribed: photocopy of manuscript prepared for the Royal Society in 1953.	
H.299-H.302	'R.v.d.R. Woolley Some other notices and records'	1987
	Contents of envelope so inscribed divided into four for ease of reference: printed and duplicated background material.	
	Includes obituaries of Woolley.	
H.303	'Woolley RGO Photographs'	
	Contents of envelope so inscribed: three photographs.	

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|--------------|---|-----------|
| H.304        | 'Schedvin 1987 May / Also 'Optical Munitions'   | 1987      |
|              | Contents of envelope so inscribed: letter from C.B. Schedvin, University of Melbourne, 29 April 1987, enclosing material <i>re</i> Woolley in Australia.  |           |
| H.305-H.307  | 'CSIRO 1987'  | 1987      |
|              | Contents of envelope so inscribed divided into three for ease of reference: letter from CSIRO deputy archivist, 22 May 1987, enclosing photocopied material <i>re</i> Directorship of Mount Stromlo Observatory, 1939, 1946.                                  |           |
| H.308, H.309 | 'Woolley CSIRO Archive W - DFMartyn Accommodation 1952-56'  | 1987      |
|              | Contents of envelope so inscribed divided into two for ease of reference: letter from deputy archivist CSIRO, 28 July 1987, enclosing photocopied material <i>re</i> D.F. Martyn's departure from Mount Stromlo and his relationship with Woolley, 1952-1956. |           |
| H.310-H.312  | 'Woolley archive RGO'   |           |
|              | Contents of folder so inscribed divided into three for ease of reference: index and catalogue of Woolley papers as Astronomer Royal.  |           |
| H.313-H.321  | 'W.H. McCrea 1987-89 Reports and correspondence in preparing R. v. d. R. Woolley <i>Biogr. Mem. Fell. Royal Soc.</i> 1988'  | 1986-1989 |
|              | Contents of folder so inscribed: correspondence with colleagues <i>re</i> memoir.   |           |
|              | Includes recollections and replies to requests for information.   |           |
| H.313        | Australian Academy of Science - Eggen   |           |
| H.314        | Gascoigne, S.C.B.   |           |



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H.315	Hewitt - Hunter	
H.316	Jackson - Jones	
H.317	Murray - Royal Greenwich Observatory	
H.318	Sadler - Schedvin	
H.319	Stibbs, D.W.N.	
H.320	Stoy, R.H.	
H.321	Wayman - Wilkins	
H.322	Correspondence with Lady Woolley <i>re</i> Sir Richard Woolley	1987
H.323	Letters from readers of McCrea's biographical memoir of Woolley	1989
H.324-H.326	'Woolley Confidential'	1958-1959
	Contents of envelope so inscribed divided into three for ease of reference: miscellaneous notes, drafts and printed material <i>re</i> stock obituary of Woolley that McCrea prepared for <i>The Times</i> in 1959.	
	A typescript copy of the obituary is at H.325.	

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H.327-H.361	ARRANGED ALPHABETICALLY BY TITLE OR TOPIC	1957-1997
H.327-H.332	<p>'Astronomy in Britain after World War II', <i>Q. Jl R. Astr. Soc.</i> vol 29, 51-60. 1988</p> <p>'1987 Q JI RAS'. Contents of folder so inscribed divided into six for ease of reference: correspondence, manuscript and typescript drafts of McCrea's paper, etc.</p>	1987-1988
H.333-H.336	<p>'Cambridge 1923-26: undergraduate mathematics', McCrea's contribution to R. Williamson editor <i>The making of physicists</i>, Bristol: Hilger, 1987</p> <p>'1985 Hilger Meadows'. Contents of folder so inscribed divided into four for ease of reference: manuscript and typescript drafts, correspondence with publisher and editor.</p>	1985-1986
H.337	<p>Electron centenary</p> <p>Manuscript drafts, April-May 1997, prompted by the celebration of J.J. Thomson's discovery of the electron.</p>	1997
H.338	<p>'The Energy Debate Astronomy 1930-1939'</p> <p>Transparencies and manuscript notes for lecture by McCrea.</p>	n.d.
H.339	<p>'Historic Papers 1 Morton Roberts 2 Hewish etc'</p> <p>Contents of folder so inscribed: off-prints only.</p>	1957, 1968
H.340-H.342	<p>'History of Twentieth Century Astrophysics and Cosmology'</p> <p>'Longair 1992'. Contents of folder so inscribed divided into three for ease of reference: bound draft inscribed 'History of Twentieth Century Astrophysics and Cosmology Malcolm Longair (Draft)', correspondence with Longair about his draft history and Milne Lecture, McCrea's comments on draft history.</p>	1992-1994



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|-------------|---|-----------|
| H.343-H.348 | 'The Influence of Radio Astronomy on Cosmology' in W.T. Sullivan editor <i>The Early years of radio astronomy: reflections fifty years after Jansky's discovery</i> , Cambridge University Press, 1984            | 1982-1983 |
| H.343-H.347 | Contents of untitled folder divided into five for ease of reference: correspondence with editor and others, memorandum of agreement, manuscript and typescript drafts etc   | 1982-1983 |
| H.348       | Photocopied papers including list of speakers for meeting on early years of radio astronomy   |           |
| H.349       | Operational research<br><br>Letter from R.G. Stansfield enclosing papers on early operational research.   | 1985      |
| H.350-H.353 | Royal Greenwich Observatory<br><br>Talks and articles by McCrea to mark the tercentenary of the observatory.<br><br>See also F.352-F.423.   | 1975      |
| H.350       | Two manuscript drafts titled 'Greenwich Observatory' and 'Royal Greenwich Observatory', May 1975  |           |
| H.351       | 'The Royal Observatory and the study of gravitation', address at a conversazione, 17 July 1975, arranged jointly by the Royal Society and the Royal Astronomical Society.<br><br>Typescript draft, May 1975, etc. |           |
| H.352       | 'The Royal Greenwich Observatory in the mainstream of science'<br><br>Typescript draft, 25 June 1975  |           |

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H.353	<p>'The Royal Greenwich Observatory 1675-1975 Some of its external relations'</p> <p>Typescript draft, 17 October 1975</p>	
H.354, H.355	<p>'Special Relativity History 1992'</p> <p>Contents of folder so inscribed which was contained in two further folders:</p>	
H.354	<p>'SR history 1992 Feb'.</p> <p>Contents of folder so inscribed: duplicated and printed papers.</p>	
H.355	<p>Contents of untitled folder: manuscript working, typescript paper by W.B. Bonnor 'Negative Mass in General Relativity', etc.</p>	n.d., 1986
H.356-H.361	<p>'Undiscoverable Astronomical History'</p> <p>McCrea prepared a talk on this topic for the International Astronomical Union Congress Commission 41 (History of Astronomy), Grenoble, August 1976 and subsequently prepared it for publication.</p>	1976
H.356-H.359	<p>'History 1976'. Contents of folder so inscribed divided into four for ease of reference: manuscript and typescript drafts, correspondence, background material.</p>	1976
H.360	<p>Manuscript draft of McCrea's paper.</p>	
H.361	<p>Letter from T. Gold with suggested changes in McCrea's paper.</p>	



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<b>H.362-H.366</b>	<b>MISCELLANEOUS</b>	<b>1938-1994</b>
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H.362	Enquiries addressed to McCrea <i>re</i> scientific biography and history of science	1983-1993
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The enquiries relate to McCrea's own work, the clock paradox controversy, Einstein, Eddington and Milne.

McCrea's replies were not found with the letters of enquiry.

H.363-H.366	Printed and duplicated papers	1938-1994
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4 folders.