

Catalogue of the papers and correspondence of

SIR PETER KENT FRS

(1913 - 1986)

Compiled by Timothy E. Powell and Peter Harper

VOLUME I

List of Contents
General Introduction
Sections A - E

Deposited in the Library, University of Nottingham

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1993

THE ROYAL COMMISSION ON HISTORICAL MANUSCRIPTS

Report on the correspondence and papers

of

SIR (PERCY EDWARD) PETER KENT

(1913-1986)

geologist

in Nottingham University Library, Manuscripts Department

Reproduced for the National Cataloguing Unit for

the Archives of Contemporary Scientists

(NCUACS 43/5/93)

by

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National Cataloguing Unit for the Archives of Contemporary Scientists
under the guidance of the Royal Society's National Committee for the History of Science, Medicine and Technology

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VOLUME II

Sections F - J

Index of correspondents

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GENERAL INTRODUCTION

PROVENANCE

The bulk of the papers were received in February and August 1990 from Lady (Lorna) Kent. The papers deposited in Nottingham University Library by Sir Peter Kent in 1985 were received from the Library in August 1990.

OUTLINE OF THE CAREER OF SIR PETER KENT

Percy Edward (from an early age he chose to be called Peter) Kent was born in West Bridgford, Nottingham, in 1913. He was educated at West Bridgford Grammar School and University College, Nottingham, where he read Geology under Professor H.H. Swinnerton. He graduated B.Sc. with first class honours in 1934. He was then awarded a scholarship by the Department of Scientific and Industrial Research for research on the stratigraphy of the Lincolnshire Limestone and registered with London University for his Ph.D. Shortly after graduation, however, Kent was recommended to L.S.B. Leakey as geologist for his fourth East African Archaeological Expedition, the original choice K.P. Oakley having withdrawn. The expedition searched for remains of *Homo sapiens* at Pleistocene sites at Kanam and Kanjera in Kenya following on from Leakey's expedition of 1931-32, and then at Olduvai Gorge in Tanzania, but with inconclusive results.

Kent returned to the UK in 1935 and spent the following year writing up his results and resuming his study of Lincolnshire Limestone. On the strength of his work in Lincolnshire Kent joined the Anglo-Iranian Oil Company (later to become British Petroleum) as an Assistant Geologist. He undertook survey work on the south coast of England 1936-37. Kent then returned to Lincolnshire to report on the geology of the area and was also assigned to check the geology of the 'Market Weighton Anticline' in south east Yorkshire. Kent's survey showed that in fact no anticline existed. In 1938 Kent was despatched to Scotland where exploration for oil had begun in the carboniferous rocks of central Scotland, and in 1939 to Formby in Lancashire where oil seepages had been discovered.

On the outbreak of war Kent was in a 'reserved' occupation and so continued to work for Anglo-Iranian in Nottinghamshire. In 1941, however, he was released by Anglo-Iranian as they cut back on their geological surveying and he joined the Royal Air Force Volunteer Reserve. He was assigned to the Photo-Intelligence Branch of D section (Industry) of the RAF Central Interpretation Unit based at

Medmenham, Buckinghamshire. Kent worked on the assessment of German oil supplies - initially locating oil storage tanks, later identifying synthetic oil plants in which the Germans were converting coal to oil. Kent was seconded to the Mediterranean Allied Air Force in Italy in 1944 and in 1945 he was posted to the Pentagon, Washington DC, to work with G2 Branch of US Army Intelligence on photo-interpretation of Japanese oil installations. For his work on identifying oil plants in Axis held Europe he was awarded the US Legion of Merit in 1946. At the end of the war with Japan Kent was the only non-American to accompany the US Strategic Bombing Survey, assessing the effectiveness of air raids on targets in Japan.

After the war Kent rejoined Anglo-Iranian and resumed work on oil finds in the Upper Carboniferous rock of the east Midlands, based at Eakring, Nottinghamshire. In 1948 he was posted to Iran for stratigraphic survey work in the Zagros mountains in south east Iran. He returned to the UK in 1951, following the political disturbances in Iran which had resulted in the nationalisation of BP's Iranian interests and so curtailed further survey work. He was almost immediately sent to East Africa, a report having been received that a Kenyan government geologist had found signs of oil. It transpired that no oil was to be found, although the area was geologically promising, and Kent went on to Tanganyika where the prospects of finding oil seemed better. The results of this pioneering geological work were published in 1971 by the Geological Survey as *Geology and Geophysics of Coastal Tanzania* with Kent as a co-author.

In 1955 Kent was posted to Papua New Guinea, first as Deputy Chief Geologist later Chief Geologist, with the Australasian Petroleum Company, a part-owned BP subsidiary. Kent was involved in surveys in the rain forest and the highlands of Papua. This met with little success despite the promising geology of the area. Kent was posted to Canada in 1957 as Adviser to the President of BP Canada. There was little progress in eastern Canada and work moved westwards to the Northwest Territories and Canadian Arctic islands in 1958. In 1959 BP also began investigating oil prospects in the north of Alaska. BP Exploration (Alaska) was formed with Kent as its first President. The work of Kent and his team was to lead to a number of discoveries of oil and gas including the two huge fields at Prudhoe Bay and Kuparek. In 1970 Kent and two BP colleagues, H.R. Warman and A.N. Thomas, were awarded the MacRobert Award of the Council of Engineering Institutions for the techniques they pioneered for accurate surveying through permafrost which made the discoveries possible.

From 1961 Kent's duties became more managerial. He was appointed Deputy Chief Geologist of BP in 1961, Regional Manager of BP North and South America in 1962 and Technical and Regional Manager of BP America and the Western Hemisphere a year later. In 1966 Kent was made Chief Geologist and was much involved in operations in the North Sea, particularly the discovery of the Forties field. Kent was appointed Assistant General Manager (Exploration) in 1971. Kent retired from BP in 1973 but continued as a consultant on exploration matters with special reference to Iran, Canada and the UK. Kent had maintained his close connection with oil exploration in Iran through his service from 1965 on the Exploration Advisory Group, a body formed in 1957 to advise oil companies operating in Iran on exploration matters. In 1973 Kent became Chairman of the Group, his continuing membership of the EAG being part of his post-retirement consultancy with BP. The EAG's activities were halted in 1978 by the Islamic revolution and the overthrow of the Shah.

On his retirement Kent was appointed Chairman of the Natural Environment Research Council, a post he held until 1977. In 1977 Kent joined the Board of LASMO (London and Scottish Marine Oil). He resigned from the Board in 1983 having seen LASMO develop from a very small investment house into a leading independent British oil company. In 1982 he accepted an invitation to join the Board of Directors of Minworth Ltd, the controlling body of the Minworth Group of companies, and became its Chairman the following year. He also served as Chairman of Strontian Minerals, a subsidiary company within the Minworth Group, 1983-86.

Kent's numerous contributions to geology were introduced by his Royal Society memorialists as follows:

'Under Professor Swinnerton we may assume that Peter became so familiar with the chronostratigraphy of the Jurassic and Cretaceous that he was able to recognize with confidence the zonal level of the rocks in Lincolnshire and Leicestershire that formed the subjects of his earliest researches. This was one of the techniques upon which his career was based; the other was the art of field mapping. Neither of these techniques, however, became an objective in its own right in his hands; both were employed for the deciphering of the structural history of parts of the Earth's shallow crust, some of them of great economic importance. His work will remain influential in this field of structural interpretation; growing from small beginnings in the East Midlands, thence to the North Sea and beyond that to the aseismic continental margins of northern Europe and East Africa'. (N.L. Falcon and Sir Kingsley Dunham, *Biographical Memoirs of Fellows of the Royal Society*, **33**, 1987, 343-373, p.360).

Kent was accorded many honours for his contributions to geology and to petroleum exploration. He was elected a Fellow of the Geological Society of London in 1938 and was awarded the Society's Lyell Fund in 1949 and their Bigsby and Murchison Medals in 1953 and 1969 respectively. He served as President of the Geological Society 1974-76. Kent was elected to the American Association of Petroleum Geologists in 1957 (Honorary Member 1976), the Geological Society of America in 1966 and the Petroleum Exploration Society of Great Britain, of which he was a founder-member in 1965 and which he served as Chairman 1966. He received the MacRobert Award (see above) in 1970. Kent was President of the Yorkshire Geological Society 1965-66 and was awarded its Sorby Medal in 1973. He received Honorary Degrees from the universities of Leicester (1972), Durham (1974), Bristol (1976), Glasgow (1977), Aberdeen (1978), Cambridge (1979), Hull (1981) and Birmingham (1983). Kent was elected to the Fellowship of the Royal Society in 1966 (serving on Council 1967-69) and was awarded its Royal Medal in 1971. Kent was knighted in 1973.

Kent married twice, in 1940 to Margaret Betty Hood, who died in 1974, and in 1976 to Lorna Ogilvie Scott.

DESCRIPTION OF THE COLLECTION

The material is presented in the order given in the List of Contents. This large collection covers almost all aspects of Kent's professional career.

Section A, Biographical, is substantial. There is Kent's autobiographical account 'Recollections in retirement', and records of Kent's student work at University College Nottingham, his membership of the East African Archaeological Expedition 1934-35, his Second World War service and his career with the Anglo-Iranian Oil Company/BP. The honours received by Kent are well-documented, including his election to the Fellowship of the Royal Society in 1966, the MacRobert Award in 1970 and his knighthood in 1973. The section also includes diaries 1950-71, family and social correspondence, including a sequence of letters home during Kent's period in Iran 1948-51, and miscellaneous personal papers and memorabilia.

Section B, Research and surveys, is the largest in the collection. It documents Kent's survey and oil exploration work and his own geological research from the first work with Anglo-Iranian Oil in Lincolnshire in 1936, through his postwar work for BP in the UK and overseas in Iran, East Africa, Papua New Guinea and North America, to the North Sea discoveries of the 1960s and 1970s, and

post-retirement research to 1986. There was a close relationship between Kent's work for Anglo-Iranian/BP and his academic geological research; with the company's goodwill Kent was able to use information from company surveys in his own publications. Kent retained a continuing interest in the geology and oil prospects of areas of the world he had visited and this is reflected in the wide geographical coverage of the papers. The bulk of the material, however, is concerned with the geology of England (particularly the Midland counties) and Iran (including the work of the Exploration Advisory Group). The material, most of which was found in Kent's own folders or envelopes, includes correspondence, manuscript notes (some on pages from 'filofax' style notebooks), typescript drafts and notes, stratigraphical columns, oil well logs, maps, sections and photographs. There are also a number of notebooks.

Section C, Deep Sea Drilling Project, documents Kent's involvement in the Deep Sea Drilling Project (DSDP) from the negotiations over British participation in 1973 and the establishment of the International Phase of Ocean Drilling (IPOD) in 1975. The lead agency in the UK was the Natural Environment Research Council, of which Kent was Chairman. Kent served on the Executive Committee of JOIDES, the consortium of member-institutions of the project, 1975-81, and on the UK IPOD Co-ordinating Committee. His involvement continued to the completion of the IPOD in November 1983 and the campaign for British participation in its successor programme, the Advanced Ocean Drilling Project (AODP, later just ODP). Kent played an active part in the research, reviewing the results of Leg 25 of the DSDP, which surveyed the western Indian Ocean and contributing to the series *Initial Reports of the Deep Sea Drilling Project*.

Section D, Publications and lectures, brings together material for many of Kent's published papers, 1936-87, and lectures from 1952. The largest single body of material documents his geological memoir for the Institute of Geological Sciences, *Eastern England from the Tees to the Wash* (HMSO, 1980). The lectures were chiefly delivered to university and college geological societies or local geological and natural history societies. The latter include Presidential addresses to the Yorkshire Geological Society and to the Lincolnshire Naturalists' Union. There are also sequences of editorial correspondence and Letters to *The Times*. At D.134 is material relating to a BBC radio broadcast on explorers in which Kent took part. There is an (incomplete) set of Kent's published papers at D.135.

Section E, Natural Environment Research Council, includes papers relating to Kent's service on the the Geology and Geophysics Committee (later Institute of Geological Sciences Advisory Committee)

of the NERC 1968-73, his Chairmanship of the NERC 1973-77 and subsequent Council service 1977-80. These activities are poorly documented since, with the exception of his first year as Chairman of the NERC, Kent did not retain many committee papers or official correspondence. The bulk of the papers document Kent's service on Preparatory Group 'A' of the Council, as a member of which Kent served on the Deep Geology Committee and Visiting Groups to the Institutes of Geological Sciences and of Oceanographical Sciences.

Section F, Societies and organisations, is the second largest in the collection. It documents Kent's association with 41 British, overseas and international bodies. These include the Foreign and Commonwealth Office, for which Kent acted as adviser in territorial disputes in the North Atlantic Ocean (Rockall) and the English Channel, the Geological Society, of which Kent was President 1974-76, the International Trust for Zoological Nomenclature, the Royal Society and the Watt Committee on Energy. For material relating to the British Geological Survey see the entry for the Institute of Geological Sciences and, specifically relating to the campaign to safeguard the future of the Survey 1984-86, the Institution of Geologists. Also of interest is the material on local geological and natural history societies of which Kent was a member, including the East Midlands and Yorkshire Geological Societies and the Leicestershire, Lincolnshire and Nottinghamshire Trusts for Nature Conservation.

Section G, Commercial consultancies and companies, comprises material relating to Kent's work for commercial organisations, principally BP, LASMO and the Minworth Group. The material relating to BP includes documentation of his later managerial career within BP, but much of it dates from his post-retirement consultancy from 1973. Kent's involvement with LASMO 1977-84 is the best documented component of this section. As a member of the Board and a consultant Kent was very closely involved with the operation of this company at a crucial stage in LASMO's development into a leading independent British oil company. The LASMO material also records the history of Charlton Thermosystems Ltd, a small company attempting to market a pioneering heating system, in which LASMO had a close interest. Kent's shorter period of service with the Minworth Group, as Board member and Chairman of Minworth Ltd and Chairman of Strontian Minerals, is also well-documented.

Section H, Visits and conferences, presents a chronological sequence, 1951-85, of some of Kent's engagements both in the UK and abroad. The visit for which most documentation survives is the 1968 International Geological Congress held in Prague, Kent led the UK delegation. The proceedings

were cut short by the Warsaw Pact invasion of Czechoslovakia and the Soviet occupation of Prague and the material includes accounts of the events by Kent and his wife, and memorabilia. The section does not present all of Kent's extensive travel and attendance at meetings and conferences. His overseas research and survey work for BP is documented in section B and his visit to East Africa with the East African Archaeological Expedition is documented at A.53-A.102.

Section J, Scientific correspondence, is the smallest in the collection. There are no extended sequences of correspondence. Much of Kent's correspondence is to be found in other sections, retained with other material with which it was found. There is, for example, a great deal of scientific correspondence in section B.

There is also an index of correspondents.

LOCATION OF OTHER MATERIAL

An album containing photographs taken during the East African Archaeological Expedition was donated by Kent to the British Museum (Natural History) in January 1977.

ACKNOWLEDGEMENTS

We are very grateful to Lady Kent for making the bulk of the papers available and to Lady Kent and Dr Dorothy Johnston, Keeper of Manuscripts, Nottingham University, for advice and encouragement.

T. E. Powell
P. Harper
BATH 1993

SECTION A

BIOGRAPHICAL

A.1-A.268

A.1-A.18 BIOGRAPHICAL AND BIBLIOGRAPHICAL

A.19-A.52 SCHOOL AND UNIVERSITY NOTEBOOKS

A.53-A.102 EAST AFRICAN ARCHAEOLOGICAL EXPEDITION

A.103-A.126 SECOND WORLD WAR

A.127-A.187 CAREER, HONOURS AND AWARDS

A.188-A.209 DIARIES

A.210-A.238 FAMILY AND PERSONAL CORRESPONDENCE

A.239-A.268 MISCELLANEOUS PERSONAL MATERIAL

Biographical

BIOGRAPHICAL AND BIBLIOGRAPHICAL

- A.1 Memoir of Kent by N.L. Falcon and Sir Kingsley Dunham, *Biographical Memoirs of Fellows of the Royal Society*, **33** (1987), 343-373.
- A.2 *The Times* obituary, 14 July 1986.
- A.3 Application form for non-immigrant visa for USA, completed by Kent for visit to Colorado, 1955.
- Calendar of postings with Anglo-Iranian Oil/BP 1936-61.
- Copy of Kent's BP 'Staff review form' for 1965.
- Entry for *Who's Who*, 1966.
- Biographical data, possibly for biographical reference book, 1984.
- Biographical data, 4pp typescript. Compiled by Kent c.1984.
- A.4-A.16 'Recollections in Retirement'. Contents of Kent's binder divided into thirteen for ease of reference.
- Unpublished autobiographical account by Kent. The account comprises typescript sections, some with later typescript 'inserts', recounting episodes in Kent's life and career. The titles of the sections are reproduced in the catalogue entries, and the material is presented in the order in which it was kept by Kent.
- A.4 'Beginnings', 'Oh, my Father!', 'Four schools'.
- A.5 'University days - 1931-34, 1935-36', 'The family at Friary [Congregational Church]', 'Aunts and Uncles', 'Basford in the Twenties'.
- A.6 'Geology in eastern England', 'East Africa 1934-5', 'With Leakey's 4th East African Archaeological Expedition 1934-5'.

Biographical

- A.7 'The later Thirties - early years with BP (1936-1940)', 'Midlands oil', 'Scottish interlude 1938-9', 'The last summer of peace - Formby 1939 (and after)', 'Oil at Eakring, Nottinghamshire, 1939'.
- A.8 'War years in the RAFVR', 'Interpreting the German oil industry', 'Medmenham', 'Intelligence in the Pentagon, Washington D.C., 1945', 'Strategic Bombing Survey, Japan, 1945', 'Wartime memory - San Severo - an Italian country town (1944)'.
- A.9 'Iran, 1948-1951', 'Iran - home at Haft Kel, 1949', 'Iran - surveys in the Zagros mountains 1948-1951', 'Iran regional geological surveys'.
- A.10 'Deep exploration in eastern England', 'Back to East Africa in the 1950s'.
- A.11 'East Africa again, 1952, and afterwards', 'Postscript to East Africa', 'East African exploration - a narrative history', 'In jungle country - Papua 1955-57'.
- A.12 'Canada - Calgary and the Arctic 1957-1960', 'Delivered by hand - a letter from Abu Dhabi and Kuwait May 1969', 'A visit to Oman, November 1970', 'A rather special week, November 1971'.
- A.13 'Iran - exploration advice 1965-1978', 'The high Zagros with the EAG, October 1972 - a diary note', 'Diary of the last days in Iran November 1972'.
- A.14 'Meeting cabinet ministers, 1966-76'.
- A.15 'An afternoon with the BBC TV', 'Without a passport', 'Singing', 'A Dutch breakfast', 'Strange customs', 'Pure lunacy', 'The unpredictability of air travel', 'Borrowed time'.
- A.16 'A new star in the oil industry - LASMO 1977-83', 'The heat that failed - Charlton Thermosystems Ltd., 1980-1983', 'Positive vetting', 'Prague 1968', 'Hong Kong at night'.

Biographical

- A.17 Lists of publications, to 1971 and 1974, and list of Kent's 'Reports held by BP'.
- A.18 'Reprints Register'. Contents of Kent's folder so inscribed: tabulated lists of names of those receiving various reprints, 1958-72. Arranged alphabetically.

SCHOOL AND UNIVERSITY NOTEBOOKS

School

- A.19 Hardback. Labelled on front cover 'P.E. Kent. Practical Chemistry'. Used for accounts of experiments 1 - 46 from 15 October [?1929]. The work was marked on 5 February 1930, 23 February 1930 and 22 July 1931.
- A.20 Hardback. Labelled on front cover 'P.E. Kent Practical Chemistry' and inscribed inside front cover '...Practical Chemistry II'. Used for accounts of experiments 47 - 52. The work was marked on 22 July 1931. Loose at front is July 1931 Chemistry Practical examination paper.
- A.21 Hardback. Inscribed inside front cover 'P.E. Kent Physics'. Used for accounts of experiments. Undated.

Undergraduate

- A.22-A.38 'Practical Lab work 1931-34 (possibly worthy of archives as example of H.H.S. [Swinnerton] teaching methods)'. Contents of Kent's large envelope so inscribed: diaries, binders, sketches and notebook.
- A.22-A.24 Pocket diaries 1932-34. Used for notes of geological fieldwork.
- A.22 1932.

Biographical

- A.23 1933.
- A.24 1934.
- A.25, A.26 '(Stratigraphy) + Palaeontology'. Contents of Kent's ring binder so labelled divided into two for ease of reference: ms notes on fossil types.
- A.27-A.30 'Stratig Palaeo. Special'. Contents of Kent's ring binder so labelled divided into four for ease of reference. The binder was used from the front for ms notes principally on stratigraphy (A.27, A.28) and from the back for ms notes on vertebrate palaeontology (A.29, A.30).
- A.31, A.32 'Cret'. Contents of Kent's ring binder so labelled divided into two for ease of reference.
- A.31 Essay on the Tremadoc beds.
- A.32 Ms notes on Cretaceous rocks.
- A.33 'Palaeontology Foraminifera Graptoloidea Coelentera Brachiopoda Mollusca'. Kent's binder so inscribed. Pencil sketches, retained in original binder.
- A.34-A.37 'Palaeontology'. Contents of Kent's binder so inscribed divided into four for ease of reference.
- A.34 Pencil sketches of invertebrata; University of London B.Sc. examination admission card and timetable, June 1934.
- A.35, A.36 Pencil sketches of vertebrata. 2 folders.
- A.37 Duplicated instruction and problem sheets for map making course.

Biographical

- A.38 Hardback notebook labelled on front cover 'P.E. Kent [...] Elementary Palaeontology Mineralogy. Petrology'. Used principally for pencil sketches of fossils and watercolours of rock specimens.
- A.39 Hardback notebook labelled on front cover 'Biogeography Geophysics Oceanography'. Used from 'Oct 2' for ms notes.
- A.40 Hardback notebook labelled on front cover 'Geomorphology and Physical Basis...' Used from the front for ms notes on geomorphology, and from the back for ms notes on the 'Physical basis' of air, water, snow and ice and notes on '2nd Year Geomorph British Isles and Europe'. A little loose intercalated material.
- A.41 Hardback notebook inscribed on spine 'Jurassic' and inside front cover 'Jurassics Inferior Oolite - Purbeckian'. Paginated 1-191 with list of contents on first page. Used for ms notes and sketches pasted into the notebook.
- A.42 Hardback notebook labelled on front cover 'Jurassics' and inside front cover 'Lower Lias of the British Isles'. Paginated 1-41 (some earlier pages cut from the notebook and later pages not numbered). Used for ms notes.
- A.43 Hardback notebook inscribed inside front cover 'Palaeontology'. Used from the front for ms notes on fossils and from the back for ms notes on Eocene, Oligocene, Miocene, Pliocene and the geology of south Shropshire. A little loose intercalated material.
- A.44 Hardback notebook labelled on front cover 'Petrology and Mineralogy'. Used from the front for ms notes on petrology and from the back for ms notes on mineralogy.
- A.45 Hardback notebook inscribed inside front cover 'Stratigraphy'. Paginated 2-146. Used for ms notes and sketches pasted into the notebook.
- A.46 Hardback notebook inscribed inside front cover 'Abstracts'. Paginated 1-82 (later pages not paginated). Used for ms notes on the literature and newspaper cuttings 1933-34 (from the *Manchester Guardian*) on geological matters pasted into the notebook.

Biographical

- A.47 Softback exercise book used from the front for ms notes on fossils and sketches pasted into the notebook, and from the back for bibliographical references (latest reference 1931). Some earlier pages cut from the notebook.
- A.48-A.50 'Field Work'. Contents of Kent's ring binder so labelled divided into four for ease of reference: ms accounts of field work 1932-34 with list of contents on first page. The accounts are individually paginated and some are illustrated by photographs pasted onto the pages.
- A later ms note by Kent found inside the binder (at A.48) describes it as 'Probably submitted in B.Sc. original work'.
- A.48 Introductory note with list of contents; 'The hydraulic Limestones of S. Notts'; 'A study of the Lincolnshire Limestone'.
- A.49 'Geological mapping'; 'The age of the highest Kimmeridgian of Lincolnshire'; 'the Northampton district'; 'Easter camp 1932 Bradford on Avon, Wilts'; 'Easter camp in Shropshire 1933'; 'Isle of Wight August 1933'.
- A.50 'Welsh Border Easter '34'; 'Swanscombe' (later brief note on trial work with L.S.B. Leakey prior to East African Archaeological Expedition); photographs and map for 'Notes on river systems and glacial retreat stages in south Lincolnshire', by Kent, *Bibliog.* 7, 1939.
- A.51 'A Charnian Axis in the East Midlands PEK/1933-4'. Contents of Kent's envelope so inscribed: ms draft + hand-drawn map.
- A later ms note by Kent found attached describes the circumstances behind the draft:
'This note was written in 1933/4 after a heavy dose of [W.J.] Arkell's book (Jurassic rocks of G.B.) and papers by R.H. Rastall. It incurred the severe disapproval of Prof Swinnerton, who regarded it as an unjustifiable waste of time'.
- A.52 Ring bound pocket notebook used from the front and from the back for miscellaneous notes, those at front including work at Barnston [Lincs] 1933-34.

Biographical

EAST AFRICAN ARCHAEOLOGICAL EXPEDITION

After graduation in 1934 Kent was invited to join L.S.B. Leakey's archaeological expedition to East Africa on its fourth season. He was recommended in the place of K.P. Oakley who had withdrawn from the expedition.

The expedition was to follow up Leakey's expedition of 1931-32 to Kenya, in the course of which Leakey had discovered fragments of a hominid skull at Kanjera and a hominid jaw bone at Kanam. The bones were thought to be from *Homo sapiens*. Leakey said the jaw had been found in Lower Pleistocene beds, which suggested an earlier date for the appearance of *Homo sapiens* than had hitherto been supposed, and the skull pieces in Middle Pleistocene. However, Professor P.G.H. Boswell, a leading authority on the Pleistocene, cast doubt on Leakey's claims and Leakey, to prove his case, persuaded the Royal Society to fund Boswell to visit the sites with him on his next expedition to East Africa.

The expedition left England on 24 October and arrived in Kenya on 10 November. There was considerable difficulty finding the site of Leakey's main discovery. This, it transpired, was because the photograph purported to be of the site was in fact, as Kent and S. White, the expedition surveyor, discovered, of gullies some distance away. Boswell returned to the UK in January and wrote a Letter to *Nature* in which he revealed the discrepancy. The matter was complicated by the fact that the photograph was to appear in Leakey's book on his discoveries about to be published by Oxford University Press. Leakey argued that there was no intention to mislead and withdrew the photograph from the book. Further difficulty arose when it became clear that the hominid jawbone had not actually been found *in situ* by Leakey but collected by a native assistant and that it was quite possible it had slipped down into the Pleistocene bed through cracks in the ground.

Kent initially served as assistant to Boswell, but following Boswell's return to the UK in January served as the Expedition Geologist. The first stage of the expedition searched for the sites of Leakey's finds and other evidence of early *Homo sapiens* at Kanam and Kanjera and other locations in the Kavirondo area of Kenya. In May 1935 the team moved on to Olduvai Gorge (Oldoway) in Tanganyika. Kent left Kenya on 8 August 1935.

See also B.365, D.2.

The material is presented as follows:

A.53-A.87 Correspondence and papers

A.88-A.102 Notebooks and maps

Biographical

Correspondence and papers

- A.53-A.66 'East Africa. Technical correspondence etc from August 1934' 'Leakey's monthly reports. Letters from LSBL, Boswell, Wayland, Archdeacon Owen'. Contents of Kent's folder so inscribed divided into fourteen for ease of reference.
- A.53 Correspondence August - October 1934 *re* preparations for the expedition. Includes initial letter from Leakey *re* the possibility of Kent joining the party, 11 August, and correspondence *re* preparatory field trip to improve Kent's mapping techniques (see A.50).
- A.54-A.56 Monthly field reports.
- These duplicated typescript reports were written by Leakey for private circulation among expedition members and other colleagues. They report on the expedition's movements, excavations and discoveries, and include accounts of work carried out by Kent, with Boswell, and independently.
- A.54 24 October - 23 November 1934.
- 24 November - 23 December 1934.
- 24 December 1934 - 23 January 1935.
- A.55 24 January - 23 February 1935.
- 24 February - 23 March 1935. Includes Leakey's first reactions to reports of Boswell's criticisms of his work, published in *Nature*, 9 March (see A.57), and 'Report on geological work of the month' by Kent.
- 24 March - 23 April 1935. Includes 'Geologist's report' by Kent.
- A.56 24 April - 23 May 1935.
- 24 May - 23 June 1935. Includes 'Geological report' by Kent.
- 24 June - August 1935.

Biographical

- A.57 'Human remains from Kanam and Kanjera, Kenya colony' by Boswell, *Nature* **135**, 371-2; printed account of journey to Kenya and first impressions of the country by Kent, probably from the West Bridgfordian school magazine; letter from W.E. Owen, 5 April, and correspondence from E.J. Wayland, Director of the Geological Survey of Uganda, July, August 1935; typescript draft of letter from Kent to *East African Standard* on the newly discovered ruined city at Engaruka, 4 August 1935; hand-drawn maps of Songhor and Olduvai.
- A.58 Correspondence arising from the expedition, October - December 1935. Chiefly with expedition members (including Leakey and Boswell) and E.J. Wayland.
- A.59 Correspondence arising from the Expedition, January - April 1936. Includes W.C. Smith's typescript 'notes on [...] igneous rocks from Eyasi and Manyana exposures' collected by Kent, 6 April 1936 and other correspondence *re* specimens collected by Kent.
- A.60 Correspondence arising from the expedition, May 1936 - 1937, 1939. The correspondence 1939 is chiefly *re* red pebbles from Koru collected by Kent.
- A.61 Correspondence October 1940 - January 1941. Chiefly *re* fossil fish from Miocene and Pleistocene beds. Includes 'A note on Pleistocene deposits near Lake Manyara, Tanganyika' by Kent, 8pp typescript, submitted for publication in the *Geological Magazine*, 14 January 1941 (*Bibliog.* 13, 1942).
- A.62 Correspondence February - May 1941. Includes 'The recent history and Pleistocene deposits of the plateau north of Lake Eyasi, Tanganyika' by Kent, 16pp typescript, submitted for publication in the *Geological Magazine*, 27 February 1941 (*Bibliog.* 10, 1941).
- A.63 Correspondence and papers June - September 1941. Includes lists of 'Kavirondo Pleistocene mammals' compiled by A.T. Hopwood, sent to Kent 23 June; 'The Pleistocene beds of Kanam & Kanjera, Kavirondo, Kenya' by Kent, 19pp typescript, submitted for publication in the *Geological Magazine*, 6 July 1941 (*Bibliog.* 14, 1942); 'Miocene deposits in Kenya' by Kent, 2pp typescript, submitted for publication in *Nature*, 12 July 1941 (*Bibliog.* 12, 1941).
- A.64 Correspondence 1942. Chiefly *re* Kent's articles on Kenyan geology.

Biographical

- A.65 Correspondence 1943-45. Includes 'Contribution to discussion on Dr F. Dixey: "The relation of the main peneplain of Central Africa to sediments of Miocene age" ' by Kent, 2pp typescript, 3 February 1945.
- A.66 Miscellaneous material. Includes press-cutting from the *Manchester Guardian*, 11 January 1939 of report from W.E. Owen on 'New discoveries in Kavirondo'; hand-drawn illustration of geology of Rusinga island and map of Kokkoth cliffs; ms notes; typescript draft Letter (? to *Geological Magazine*) on 'The age and tectonic relationships of East African volcanic rocks' by Kent, nd; two articles by K.P. Oakley, 1974 and 1975, reporting on radiometric assay dating of the hominid bone fragments discovered by Leakey's 1931-32 expedition.
- A.67-A.72 'Letters from Africa 1934-5'. Contents of Kent's envelope so inscribed divided into six for ease of reference: letters from Kent to his family, principally his mother, October 1934 - July 1935. Includes accounts of outward journey and activities in East Africa. At A.72 is miscellaneous material found therewith: 15pp ms notes for talk by Kent on his experiences in East Africa; 'East African chessboard' by Kent, 9pp ms draft on relations between Blacks and Whites in East Africa (probably written for the Friary Congregational Church newsletter); magazine photograph of Kent with Leakey and Miss Mary Nicoll (later Mrs Leakey) at Olduvai Gorge.
- A.73-A.79 'Letters to Africa 1934-35 (family matters) and Leakey'. Contents of Kent's envelope so inscribed divided into seven for ease of reference: letters from family, principally his mother, friends and colleagues, November 1934 - August 1935. Includes correspondence from Boswell, Leakey and E.J. Wayland. At A.79 are ms notes on ?Swahili grammar prepared by Kent.
- A.80 'The stratigraphy of the Miocene beds in the vicinity of the Kavirondo Gulf, Kenya (Summary)' by Kent, 27pp typescript + figures, 1934-35; 'Middle Pleistocene deposits near Lake Manyara, Tanganyika' by Kent, 5pp typescript + maps, 1935.
- A.81 Correspondence and papers 1939-43. Includes lists of fossil mammalia from Miocene deposits at Kavirondo sent to Kent by D.G. MacInnes and brief correspondence from Leakey re drafts sent to him by Kent.
- A.82 'Physiographical features of the Kavirondo Gulf of Lake Victoria, Kenya' by Kent, 16pp typescript found with correspondence at A.80. Not listed in *Bibliog.* but possibly early version of *Bibliog.* 15, 1942.

Biographical

- A.83 'Kilimanjaro - an active volcano' by Kent, 4pp typescript, published as *Bibliog.* 19, 1944, with ms note on the shrinkage of the ice cap on Kilimanjaro; ms notes and pages of drafts 'The Uplift of East Africa' and 'The cause of the thrust vaulting of Rusinga' by Kent, nd.
- A.84 Miscellaneous material. Includes typescript notes on geology of Kavirondo, photographs, hand-drawn maps of Serengeti and Rusinga Island.
- A.85 Correspondence, 1976-77, principally *re* photographs of the expedition and identification of localities.
- A.86 Photocopies of pages from *Leakey's Luck. The Life of Louis Leakey, 1903-1972* by S. Cole (1975), with references to Kent underlined, and of front covers of *By the Evidence: memoirs, 1931-1951* by Leakey and *Disclosing the Past: an autobiography* by Mary Leakey (1984).
- A.87 'L.S.B. Leakey Virginia Morell corresp.' Contents of Kent's folder so labelled: correspondence with Morell *re* the expedition, May 1984 - November 1985.
- Morell was writing a book about the Leakey family and wrote to Kent with a number of queries, chiefly concerning relations amongst expedition members.
- The folder also includes an account by Kent of a 'Stone tool from Laetoli, Tanzania' sent by him to the British Museum 1985. Kent describes the circumstances behind his taking the tool into 'protective custody' during the expedition.

Notebooks and maps

Notebooks

- A.88 Softback pocket notebook inscribed on fore edge 'Kanam'. Used from the front for field notes on work at Kanam and Kanjera, c. December 1934 - January 1935, and at the back for notes on D.G. MacInnes's presentation on Mastodon teeth at East African science meeting, Nairobi, 30 November 1934. Paginated 2-110 (later pages not paginated).
- Kent worked on the Pleistocene beds at the Kanam and Kanjera sites from November 1934 to 24 January 1935.

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- A.89 Hardback notebook inscribed on spine 'Kanam'. Used from the front for notes on sections at Kanam and later notes on Leakey's book *Stone Age Races of Kenya* (Oxford, 1935) and the Louth - Willoughby anticline, and from the back for notes on sections at Rusinga island.
- Loose material intercalated includes, at back, 9pp ms draft 'The geology of the Kanam - Kanjera area (Kenya colony)' in Kent's hand, and sections from Kanam, Kanjera and Rawe.
- Kent worked on the Miocene beds on Rusinga and nearby islands 1 February - 28 March and 23-30 July 1935.
- A.90 Hardback desk diary for 1935. Used principally to record movement between sites 20 January - 8 August 1935. The page for 1 January has been used as an index.
- A.91 Softback pocket notebook inscribed on fore edge 'Koru etc'. Used from the front for field notes on work at Songhor, Muhoroni and Koru, and at the back for 'General ideas'. Paginated 1-45 (Songhor) and 1-23 (Koru).
- Kent worked at Songhor 25-29 January and 22-25 April 1935 and at Muhoroni and Koru 6-14 April 1935. The notes on Songhor probably represent work on his first visit there.
- A.92 Hardback notebook inscribed on spine 'Rusinga'. Used for notes on work on Rusinga, Mfanganu and Ngothe islands. Maps pasted into notebook at back. A little loose material intercalated.
- The later pages of the notebook had ?photographs pasted onto them. At some later date these have been torn from the pages.
- A.93 Softback pocket notebook inscribed on fore edge 'Rusinga'. Used from the front for field notes on work on Rusinga island, and from the back for notes on Rusinga, Mfanganu and Ngothe islands. Paginated 1-94 (later pages not paginated).
- A.94 Softback pocket notebook inscribed on fore edge 'Central Kavirondo'. Used for field notes on work at Mariwa, Omba, Maboko island, Majowa bluff and Lela. Most pages not used.
- Kent worked on the Miocene beds at these sites to the north of the Gulf of Kavirondo 15-21 April 1935.

Biographical

- A.95 Softback pocket notebook inscribed on fore edge 'Oldoway + Eyasi' and on first page 'Geology in north Tanganyika 1) Oldowai 2) Laitolil and Lake Eyasi'. Used from the front for field notes on work at Olduvai and from the back for field notes on work to north west of Lake Eyasi. Paginated at the back 2-42.

The Expedition moved to Olduvai Gorge, in Tanganyika, in May 1935. Kent worked in the Olduvai and Lake Eyasi area 10 May - 7 July.

- A.96 Hardback notebook labelled on front cover 'Oldoway 1935 P.E. Kent'. Used from the front for draft of 'Sections in the Branch Gorge at Oldoway, Tanganyika', and from the back for draft on 'North Western Eyasi'. Paginated at the front 1-47 and at the back 1-89.

Loose material intercalated includes maps of Olduvai Gorge and letter to W.G. Aitken, 19 June 1953 *re* 'draft script on Oldoway'.

- A.97 Softback pocket notebook inscribed on fore edge 'Manyara'. Used for field notes on work near Lake Manyara. Most pages not used.

Kent worked in this area 7-12 July 1935.

- A.98 Softback pocket notebook used for miscellaneous ms notes on East African (site unidentified) and UK geology. In the middle of the notebook are brief entries for 1, 2, 17 and 21 August 1935. Most pages not used.

- A.99 Softback pocket notebook cut in half and used as jotter for notes on East Africa and UK geology, addresses, bibliographical references etc.

Maps

- A.100 'East Africa [Kenya] Karungu', 1:250,000. Compiled by Ordnance Survey 1916. Printed on linen-backed paper.

This map covers the majority of sites at which the expedition worked in Kenya. The sites and some other features have been marked by Kent in ink and pencil.

Biographical

- A.101 'German East Africa [Tanganyika] Eyassi', 1:300,000. Compiled by Ordnance Survey 1915. Printed on linen-backed paper.

This map covers the Olduvai Gorge and Lakes Eyasi and Manyara. Some of the sites at which the expedition worked have been marked by Kent in ink.

- A.102 'German East Africa Kilimanjaro', 1:300,000. Compiled by Ordnance Survey 1915. Printed on linen-backed paper. Inscribed on front 'Dr Leakey'.

SECOND WORLD WAR

At the outbreak of war Kent was in a reserved profession and was therefore exempt from military service. He joined the Home Guard. In 1941 he was released from Anglo-Iranian as they reduced their geological programme (see A.131). Kent joined the RAF Volunteer Reserve and was assigned to the Photo-Intelligence Branch of D section (Industry) of the RAF Central Interpretation Unit based at Medmenham. He worked on the assessment of German oil supplies - initially locating oil storage tanks, later identifying synthetic oil plants in which the Germans were converting coal to oil. He was seconded to the Mediterranean Allied Air Force in 1944 and in 1945 to the G2 Branch of US Army Intelligence to work on photo-interpretation of Japanese oil installations. For this work he was awarded the Legion of Merit in 1946. At the end of the war with Japan Kent was the only non-American accompanying the US Strategic Bombing Survey to Japan to assessing the effectiveness of air raids.

- A.103-A.118 'RAF Records 1941-46'. Contents of Kent's large envelope so inscribed.

- A.103 'Orders Official corresp.' Contents of Kent's folder so inscribed: official papers 1944-46. Chiefly material *re* transfer to US Strategic Bombing Survey and subsequent visit to Japan with the Survey.

- A.104 Memoranda *re* 'Conflict with authority! [January] 1944'.

Relates to a memo Kent sent to his commanding officer critical of an order that D section was no longer to estimate oil production figures but only supply the basic data for others to analyse. Kent was reprimanded for the memo, as '...the tone of this memo does not reflect a clear appreciation of the duties and discipline necessary in a military organisation'.

Biographical

- A.105-A.112 'R.A.F. correspondence'. Contents of Kent's folder so labelled divided into eight for ease of reference: correspondence and papers 1943-46.
- A.105 Charts and plastic measuring cards for photo-interpretation; 'Hydrogenation practice in Germany', 4pp typescript; 'The Fischer Tropsch Process', 2pp typescript + diagram; typescript list of 'Slides held by Section D of synthetic oil plants'.
- A.106 Travelling expenses 1943-45 and mess bill.
- A.107 Papers *re* transfer to US Strategic Bombing Survey, 1944-45.
- A.108 'Extract from: "A review of the Air Offensive Against Axis Oil Supplies" Combined Strategic Targets Committee, Working Committee (Oil)' report, 21 June 1945, with Kent's letter of 16 July commenting on the report; 'M.I.S. [US Military Intelligence Service] Photo Interpretation', note written by Kent for use in compilation of official history of the Petroleum Section, 9pp typescript, 12 September 1945; memo from Kent *re* Blechhammer South oil production plant, 14 September 1945.
- A.109 Correspondence and papers *re* visit to Japan with Bombing Survey, August - December 1945. Includes 'Participation in U.S. Strategic Bombing Survey. Oil and Chemicals Division' by Kent, 4pp typescript + list of sites visited; 'Nagasaki - 1945' by Kent, 2pp typescript account of visit to Nagasaki in October 1945, 5 July 1946.
- A.110 Humorous items: spoof 'Extract from: Special Survey of Axis Europe Oil Production' meeting, 1 April 1944; spoof 'Functional analysis report' on 'Henry M. Noel'; 'Thoughts on a Hot Afternoon', limericks, chiefly *re* Japanese oil production, 'by Peter and Pat'.
- A.111 Printed material on Axis oil production, 1942 and 1945.
- A.112 List of photographs taken in USA and Japan, 4pp typescript; memorabilia.

Biographical

- A.113 'Ploesti Mission 1st August 1943'. Album of photographs compiled by RAF Middle East Intelligence Unit.
- The raid on Ploesti in Rumania was carried out in daylight by 162 Liberators of the 9th US Air Force, flying without fighter protection, from RAF airfields in the Middle East. Of this force 108 bombers returned. 172 tons of bombs were dropped and oil production slumped from 2,850,000 barrels in July 1943 to 1,880,000 for August. By September, however, production had fully recovered.
- Further aerial photographs of the effects of the raid are at A.114-A.116, A.119.
- A.114-A.116 Aerial photographs, principally of Rumanian oil production sites at Ploesti, some showing damage from bombing (see also A.113, A.119). 3 folders.
- A.117 D-Day memorabilia, including printed sketch of 'Forts [Flying Fortresses] returning from France - seen from Medmenham'.
- A.118, A.119 'RAF'. Contents of Kent's envelope so inscribed divided into two for ease of reference.
- A.118 Copies of memos *re* secondment to Mediterranean Allied Air Force, Italy, 1944; interpretation reports on 'Surplus refinery capacity at Bergius hydrogenation plants', 12 March 1944, and Austrian oilfields, 8 January 1945; humorous song 'Christmas Day at Medmenham' and poem 'The usual channels'.
- A.119 Photographs, including aerial photographs of damage to oil production sites at Ploesti (see A.113, A.114-A.116) and photograph of launch of V2 rocket.
- A.120 'Corresp. re RAFVR/Washington DC 1945-6'. Contents of Kent's folder so inscribed: principally social correspondence 1945-47 with American colleagues. Also includes notification of award of Legion of Merit to Kent, 22 July 1946.
- A.121 'RAF: De-mob'. Contents of Kent's envelope so inscribed: documents *re* release from RAFVR duty 1946 and relinquishment of commission in RAFVR in 1958.

Biographical

- A.122 Correspondence and papers 1981-82 *re* Kent's contribution to BBC TV programme 'Auschwitz and the Allies'. Kent commented on the wartime role of the RAF Central Interpretation Unit.
- This programme was broadcast on BBC 2 on 16 September 1982. Kent's contribution was not included and he felt that the programme misrepresented the Unit by suggesting it could have known of the existence of a Death Camp at Auschwitz.
- Photocopies of pages from *Evidence in Camera. The story of Photographic Intelligence in World War II* by C.B. Smith (1958), *The Eye of Intelligence* by U. Powys-Lybbe (1983) and *Target: Hitler's Oil* by R.C. Cooke and R.C. Nesbit (1985), with references to Kent underlined.
- Kent wrote the Foreword to *Target: Hitler's Oil*, *Bibliog.* 141, 1985 (see D.74).
- A.123-A.126 Printed material.
- A.123-A.125 'Wartime Continental Oil installations Maps extracted from Oxford strategic handbooks'. Contents of Kent's envelope so inscribed divided into three for ease of reference.
- The material is pages of data, maps and background information on oil production capacity of European countries, torn from handbooks.
- A.126 *Evidence in Camera*, vol.1, no. 1, 19 October 1942.
- Evidence in Camera* 'Special [final] Edition on Photographic Reconnaissance and Photographic Intelligence', March 1945.
- United States Bombing Survey Summary Report, 30 September 1945. Annotated on front cover 'Proof copy...'

Biographical

CAREER, HONOURS AND AWARDS

- A.127 Birth Certificate, 18 March 1913.
- Radcliffe House School, West Bridgford, School Report for Easter 1919.
- Award of Junior Scholarship by Notts. Education Committee, July 1924.
- A.128 References from Headmaster of West Bridgford County Secondary (later Grammar) School and Minister of Friary Congregational Church, 1929.
- A.129 University of Nottingham.
- Letter *re* visit to Stapleford Estate, Wymondham, Leics., 1932; results of University of London B.Sc. Special Examination for External Students, 1934; repayment of loan to University College, Nottingham, 13 January 1939.
- D.S.I.R. Maintenance Allowance for 1934-36.
- A.130 Appointment with Anglo-Iranian Oil Company.
- Letter to G.M. Lees declining appointment as geologist with the A.I. [?Anglo-Iranian Oil Company], 1935.
- Applications for post of Geologist, Geological Survey and Museum, 1936, 1937.
- Includes letter from the Notts Education Committee, 2 September 1936, confirming that Kent was not expected to pursue a teaching career in view of the financial support he received at West Bridgford County Secondary School, and was free to apply to the Geological Survey.
- Ms draft of application letter to Anglo-Iranian Oil, 16 August 1936, with references from H.H. Swinnerton, W.A. Richardson and P.G.H. Boswell, and letter of appointment, 26 September.
- Invitation to serve as Expedition Geologist on anthropological expedition to northern Tanganyika, 4 April 1937.

Biographical

- A.131 Correspondence and memoranda *re* work for Anglo-Iranian, 1937-41. Includes ms draft 'Details of Researches', and letter of 30 January 1940 giving Company approval for Kent's marriage.
- In May 1941 Anglo-Iranian released Kent 'owing to the restriction of the Geological Programme'.
- A.131A Election as Fellow of the Geological Society of London, March 1938.
- A.132, A.133 Ph.D. thesis 'The Miocene beds of Kavirondo, Kenya'.
- Kent was awarded his Ph.D. in December 1939.
- A.132 Thesis (unbound).
- A.133 Letter notifying Kent of the award; letters of congratulation.
- A.134 Military service.
- References from G.M. Lees, H.H. Swinnerton and Rev. J.O. Dobson, Minister of Friary Congregational Church, for appointment as Officer; correspondence from Anglo-Iranian *re* salary arrangements.
- Photocopy of 'Citation for Legion of Merit, Degree of Legionnaire'
- This was awarded to Kent in December 1945 for his work in interpreting aerial photographs of Axis oil production installations in Europe.
- A.135 Post war employment.
- Application for Chair of Geology, Nottingham University, March 1946.
- Letter from L.J. Wills *re* lectureships at Birmingham University, May 1946.
- Correspondence and papers *re* resumption of career with Anglo-Iranian, 1946-48.
- Offer of Associate Professorship, Pennsylvania State College, March 1949.

Biographical

A.136 Award of moiety of the Lyell Geological Fund of Geological Society of London, 1949.

Includes Abstract of Society Proceedings giving Kent's award on pp.74-75, with ms drawings by elder daughter (aged five) at the back.

Award of Bigsby Medal of Geological Society of London, 1955.

A.137 D.Sc., London University, 1959.

Appointment as BP Regional Manager (Exploration) North and South America, 1962.

A.138-A.142 Election to Royal Society, 1966.

A.138 Correspondence *re* candidature, 1957, 1960, 1964; notice of election in BP Daily News Precis.

A.139-A.142 Letters of congratulation, in alphabetical order.

A.139 A-G

A.141 P-Y

A.140 H-N

A.142 First name and unidentified

A.143 Appointment as BP Chief Geologist, and long service award, 1966.

Offer of Chair of Geology, Durham University, 1966.

Award of Murchison Medal of Geological Society of London, 1969.

A.144-A.150 Award of MacRobert Award for Engineering and Technology, 1970.

This Award consisted of a Gold Medal and prize of £25,000 awarded for 'an outstanding contribution...in the fields of engineering or the other physical technologies or in the application of the physical sciences, which has enhanced or will enhance the national prestige and prosperity of the United

.../

Biographical

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Kingdom'. Kent received this award, in conjunction with his BP colleagues H.R. Warman and A.N. Thomas, for 'Exploration leading to the discovery of the Prudhoe Bay oilfield', in particular the development of techniques for surveying through the permafrost of north Alaska.

The rules of the award allowed no more than five recipients of the prize and Kent, Warman and Thomas were named as the key senior personnel involved. They recognised the contribution made by other members of the BP team by dividing the £25,000 into 25 shares of £1,000 which were distributed by them to those involved in the Alaska work.

- A.144 Correspondence and papers *re* BP submission for the award.
- A.145 Award, including press-releases.
- A.146 Newspaper cuttings and transcripts of BBC reports on the award.
- A.147 Arrangements for division of the award including list of recipients, and letters of thanks.
- A.148, A.149 Letters of congratulation, in alphabetical order.
- A.148 A-L A.149 M-W and unidentified
- A.150 Correspondence arising, 1971.
- A.151, A.152 Award of Royal Medal of Royal Society, 1971.
- A.151 Press-release and citation.
- A.152 Letters of congratulation, in alphabetical order.
- A.153 Honorary D.Sc., Leicester University, 1972.

Biographical

- A.154 Retirement from BP, 1973.
- A.155-A.163 Knighthood, 1973.
Kent was knighted for services to petroleum exploration.
- A.155 Correspondence *re* arrangements, including style of address.
Kent wished to be styled Sir Peter rather than Sir Percy Kent. The knighthood was conferred 24 October.
- A.156 Newspaper cuttings and features; 'A commendatory poem' by E.H. Kent, daughter, in celebration of the knighthood.
- A.157-A.162 Letters of congratulation, in alphabetical order.
- | | |
|------------|-----------------------------------|
| A.157 A, B | A.160 L-R |
| A.158 C-E | A.161 S-Z |
| A.159 F-K | A.162 First name and unidentified |
- A.163 Correspondence and papers *re* membership of the Imperial Society of Knights Bachelor, 1973-86 and nd.
- A.164 Offer of Consultant Professorship, Keele University, 1973.

Offer of part-time post, Grant Institute of Geology, Edinburgh, 1973.

Appointment as Chairman, Natural Environment Research Council, 1973.
- A.165 Award of Sorby Medal of the Yorkshire Geological Society, 1973.

Honorary D.Sc., Durham University, 1974.

Biographical

- A.166 Honorary Membership, Geological Society of Bulgaria, 1975.
- A.167 Honorary Membership, American Association of Petroleum Geologists, 1976.

Folder includes biographical account and photograph of Kent.
- A.168 Honorary LL.D., Glasgow University, 1977.

Folder includes two mounted photographs of honorary graduands.
- A.169 Honorary D.Sc., Bristol University, 1977.
- A.170 Letter *re* proposed Peter Kent Medal 'for outstanding work in the field of oil and gas geology', 8 June 1978.
- A.171 Honorary LL.D., Aberdeen University, 1978.
- A.172 Honorary Sc.D., Cambridge University, 1979.
- A.173 Honorary D.Sc., Hull University, 1981.

Kent gave the address on behalf of the honorary graduands.
- A.174, A.175 Honorary D.Sc., Birmingham University, 1983. 2 folders.
- A.176 Twenty-five years membership of American Association of Petroleum Geologists, 1984.

Biographical

- A.177-A.187 Kent's death
- Kent died on 9 July 1986.
- A.177 Funeral Service, Friary United Reformed Church, West Bridgford, 16 July 1986.
- Envelope containing slips signed by those attending.
- A.178 Service of Thanksgiving, St James Church, Piccadilly, 19 November 1986.
- Includes order of service and correspondence.
- A.179 Correspondence and papers *re* contributions to the Nottingham Hospitals Scanner Appeal.
- Lady Kent asked that donations be sent for the Appeal, organised through Friary Church, in lieu of flowers.
- A.180-A.186 Letters of condolence, arranged alphabetically.
- | | |
|-------------|-------------------------------------|
| A.180 A-C | A.184 T-Y |
| A.181 D-H | A.185 First name and unidentified |
| A.182 I-M | A.186 First name and unidentified |
| A.183 N-S | |
- A.187 Circular letter from Lady Kent *re* 'the two memorials set up to Peter', December 1987.
- BP Exploration and the Nature Conservancy Council established a Sir Peter Kent Conservation Book Prize in April 1987, and BP Petroleum Development and the Nottinghamshire Trust for Nature Conservation opened an Industrial Archaeology nature trail over the Duke's Wood oilfield, including a Sir Peter Kent Memorial Plantation.

Biographical

DIARIES

Desk diaries

These were used by Kent principally to record survey work for BP. There is material intercalated or pasted to pages of the diaries. This may include photographs, letters and greetings cards, membership cards, newspaper cuttings, ms jottings, and theatre tickets and other memorabilia

A.188	1950.
A.189	1954.
A.190	1955. Photograph of M.B. Kent (wife) pasted into front. Intercalated material includes letter from M.B. Kent.
A.191	1956. 'Woods Australian Diary'. Photograph of Kent with his wife pasted into front.
A.192	1957. 'Woods Australian Diary'. Photograph of wife and daughters pasted into front.
A.193-A.205	BP desk diaries 1958-70.
A.193	1958.
A.194	1959.
A.195	1960.
A.196	1961.

Biographical

A.197 1962.

A.198 1963. Photograph of 'Knox United Church Choir, Calgary, November 3rd, 1963' pasted into front, with key. Kent was a member of the choir.

A.199 1964.

A.200 1965.

A.201 1966. Includes newspaper cuttings *re* election to the Royal Society.

A.202 1967.

A.203 1968.

A.204 1969.

A.205 1970.

BP Pocket diaries

A.206 1968.

A.207 1969.

A.208 1970.

A.209 1971.

Biographical

FAMILY AND PERSONAL CORRESPONDENCE

Family

A.210 Brief ms and typescript notes on family members.

A.211 Annie Scott Kent, née Woodward, mother.
One letter only, 6 April 1937. See also A.67-A.71 and A.73-A.79.

A.212-A.222 Margaret Betty Kent, née Hood, first wife.
Kent married M.B. Hood in 1940.

A.212 Letter, 2 November 1945.

A.213-A.218 Correspondence 1948-51.

These letters were sent home by Kent during his period in Iran 1948-51 and East Africa in 1951. It includes messages to his daughters and a few miscellaneous letters and memorabilia.

A.213	1948, 1949	A.216	1951	January-April
A.214	1950 January-April	A.217	1951	May-December
A.215	1950 October-December	A.218	Nd	

A.219-A.222 Letters of condolence etc on death of M.B. Kent, June 1974, arranged alphabetically.

A.219	A-F	A.221	N-W
A.220	G-M	A.222	First name and unidentified

Biographical

- A.223, A.224 Lorna Ogilvie Kent, née Scott, second wife.
Kent married L.O. Scott in 1976.
- A.223 Material *re* wedding; photograph of L.O. Kent.
- A.224 Family correspondence to L.O. Kent, from July 1986.
For letters of condolence on Kent's death see A.180-A.186.
- A.225 Judith Ann Kent, elder daughter.
School project 'Calgary to Banff. A geographical appraisal', c.1959-60.
Letter, 2 April 1978.
- A.226 Edward Woodward, uncle
Letter *re* Estate, 1948.

Charles Frederick Hickling, cousin.
Obituary, 1977.

Personal correspondence

Includes contents of Kent's personal correspondence file for 1964-67.
Arranged chronologically.

A.227	1933, 1937	A.233	1980-82
A.228	1957, 1962, 1964	A.234	1983
A.229	1965, 1966	A.235	1984 January-May
A.230	1967-69	A.236	1984 June-December
A.231	1973	A.237	1985, 1986
A.232	1974-79	A.238	Nd

Biographical

MISCELLANEOUS PERSONAL MATERIAL

A.239-A.252 Church, clubs and charities

A.253-A.256 Passports

A.257-A.263 Social occasions

A.264-A.268 Memorabilia

Church, clubs and charities

Friary Congregational (later United Reformed) Church

Kent became a member of the church in 1931. He met his first wife through the church (she became Secretary in 1956) and retained his links throughout his working life. In 1982 he agreed to be elected an Elder of the church.

Correspondence and papers 1937-86.

A.239 1937, 1971, 1974, 1975. Includes Kent's 'Sermon for Friary Church 17th March 1974', 7pp typescript with ms additions.

A.240 1979, 1982, 1983.

A.241 1984-86, nd. Includes letter to K.H. Clarke MP *re* Sunday shop opening, 13 February 1986.

Medmenham Club

The Medmenham Club was open to those who served in Photographic Interpretation during the Second World War.

A.242 Membership lists 1954, 1979 and amendments.

Biographical

A.243 Newsletters 1966-85. Not a complete sequence.

A.244 Miscellaneous correspondence and papers 1977-85. Includes correspondence from U. Powys-Lybbe *re* her book *The Eye of Intelligence* (see A.122).

English Club, Zanzibar

A.245 Rule book, sent to Kent on his election as a Full Member, 16 January 1954.

Old West Bridgfordians Association

Kent was a pupil at West Bridgford Grammar School 1925-31.

A.246 1966, 1974, 1980. 1966 item is extract from 'The West Bridgfordian' with brief account by Kent of developments in the search for natural gas beneath the North Sea.

A.247 1982. Correspondence and papers *re* West Bridgford School Prize-Giving, 29 November. Kent presented the prizes.

A.248 1985, 1986.

Sidney Sussex College, Cambridge

A.249 1971, 1975-86. Chiefly *re* dining rights.

Luton College of Higher Education

A.250 Degree ceremonies 1978 and 1979.

Kent was Guest of Honour at the 1979 Degree Ceremony.

Biographical

Rushcliffe Liberal Association

A.251 Membership, 1985.

Charities and appeals

A.252 Various dates 1972-86.

Passports

A.253 1934-39. Memorabilia *re* marriage pasted onto p.5, photographs of wife and daughters c.1956 and ?childhood photograph of Kent loose at p.27.

A.254 1947-57.

A.255 1953-58. Photographs of Kent loose at pp.13 and 25.

A.256 1957-67.

Social occasions

A.257 Royal Garden Party, Buckingham Palace, 14 July 1964.

A.258-A.260 Naming Ceremony of SS *British Explorer*, Nagasaki, 26 March 1970.

The *British Explorer* was the first of seven 200,000 ton oil tankers built for BP by Mitsubishi Heavy Industries Ltd. Kent travelled to Japan with his wife and attended various functions in conjunction with the Naming Ceremony.

A.258 Diary of trip; memorabilia from pre-Naming Ceremony functions.

Biographical

- A.259 Memorabilia from Naming Ceremony.
- A.260 Photographs.
- A.261 Luncheon, Buckingham Palace, 21 May 1974.
Includes Kent's ms account of the occasion, 3pp ms.

Opening of British Antarctic Survey Building by the Duke of Edinburgh, Cambridge, 7 May 1976.
- A.262 Elizabethans of Distinction Banquet, Savoy Hotel, London, 1 December 1977.
- A.263 Inauguration of Magnus oilfield by the Prime Minister, 14 September 1983.

Memorabilia

- A.264, A.265 Newspaper cuttings on Kent's life and career.
- A.264 1933. *Nottingham Guardian* 22 November, picture of Kent with part of an *ichthyosaurus communis* fossil he found at Barnstone Quarries.

1935. *Nottingham Guardian* 15 November, feature on Kent (in East Africa) and R. Benthall, also a University College Nottingham geology student (in Arctic region).
- A.265 1947, 1966, 1973-75. Item 1975 sketch from *New Scientist* of Kent (speaking), fellow chairmen of Research Councils, Sir Bernard Lovell and Airey Neave MP at British Association meeting, Guildford.

Biographical

- A.266 'Early flights'. Contents of Kent's envelope so inscribed: maps of USA and Pacific ocean with Kent's flight and voyage 1945 and flights 1955 marked thereon.
- A.267 Miscellaneous memorabilia, 1945-81. Includes photograph of Kent 1954.
- A.268 Miscellaneous memorabilia, nd. Includes copy of 'Arctic and Bush Survival'.

SECTION B

RESEARCH AND SURVEYS

B.1-B.505

The papers in this section document Kent's survey work for the Anglo-Iranian Oil Company (later BP) and subsidiary companies, and Kent's own geological research. The two are closely related. With the company's goodwill Kent was able to use information from company surveys to further his own geological research, and his survey work itself represents a considerable geological achievement. A list of the over 90 reports Kent prepared for BP is at A.17. The material dates from Kent's first work with Anglo-Iranian Oil in Lincolnshire in 1935, through his postwar work for BP in the UK and overseas in Iran, East Africa, Papua New Guinea and North America, to the North Sea discoveries of the 1960s and 1970s, and post-retirement research to 1986. The geographical coverage is thus very wide, although the bulk of the papers are concerned with the geology of England (particularly the Midland counties) and Iran.

Much of the material was found in Kent's own folders or envelopes, usually with the title inscribed thereon. These titles have been reproduced in the catalogue entries. The folders or envelopes may contain material spanning many decades, reflecting Kent's continuing interest over an extended period in certain areas of the UK and of the world - such as Lincolnshire, East Africa and Iran. This material includes ms notes (some on pages from 'filofax' style notebooks), typescript drafts and notes, stratigraphical columns, oil well logs, maps, sections and photographs. There are also a number of notebooks.

The material has been arranged by geographical area. At the end of the section is a little material reflecting Kent's concern with wider energy issues, such as the gasification of coal.

The material is presented as follows:

B.1-B.225	UNITED KINGDOM
B.1-B.7	England general
B.8-B.52	Midlands general
B.53-B.122	Lincolnshire
B.123-B.131	Nottinghamshire

Research and surveys

B.132-B.136	Leicestershire
B. 137-B.142	Derbyshire
B.143-B.145	East Anglia
B.146-B.163	Southern England
B.164-B.182	Yorkshire
B.183-B.186	Scotland
B.187-B.225	North Sea
B.226-B.353	IRAN
B.226-B.229	Kazerun Survey
B.230-B.251	Behbahan-Kazerun Survey
B.252-B.277	Fars-Laristan Survey
B.278-B.290	Salt Plugs
B.291-B.339	Exploration Advisory Group
B.340-B.353	General
B.354-B.407	EAST AFRICA
B.408-B.427	PAPUA NEW GUINEA

Research and surveys

B.428-B.456 NORTH AMERICA

B.457-B.469 GULF STATES

B.457-B.463 Kuwait

B.464-B.469 Oman

B.470-B.485 OTHER AREAS AND MISCELLANEOUS

B.486-B.505 ENERGY ISSUES

B.486-B.491 General

B.492-B.500 Coal

B.501-B.503 Oil shales

B.504, B.505 Other energy resources

Research and surveys

UNITED KINGDOM

England general

- B.1-B.4 'England General'. Contents of Kent's folder so labelled divided into four for ease of reference.
- B.1 'Note on the structure of the Ollerton district [Notts]' by Kent, 5pp typescript + maps, 11 April 1938; typescript notes on Millstone Grit, April 1940; 'The underground stratigraphical conditions of North Norfolk' by Kent, 5pp typescript + map and section, c.October 1940; 'A structure contour map of the base of the Mesozoic rocks of England' by Kent, 7pp typescript, 4 December 1940.
- B.2 'Explanatory note to accompany a geological map of central and southern England and two cross sections showing a possible reconstruction of pre-Permian strata and a discussion on the prospects of oil discovery' by G.M. Lees, 10pp typescript + 3pp data, map and sections, June 1944; covering letter from Lees to Kent; 'Sub-surface structure of S. Eastern England' by Kent responding to Lees's paper, 3pp typescript, 25 October 1944.
- B.3 Typescript memos by Kent 'Structure of the Kirkleatham - Redcar area [Yorks]', 2pp + contour map, 27 June 1946 and 'A reconnaissance of the Nunthorpe area [...] Yorkshire', 2pp + contour map; typescript note on 'Huntingdon Borings', 1 October 1965.
- B.4 Contour map of the 'Palaeozoic surface of England and the Channel coast'; map and diagram of 'Permian development in N.E. England'; 'Palaeogeographical map of the lower Palaeozoic floor [of England and Wales]...' by L.J. Wills, 1975.
- B.5 'UK Licenses'. Contents of Kent's folder so inscribed: maps showing production, mining and prospecting licenses granted to oil companies, 1962-67
- B.5A List of exploration wells in England and Wales, 1918-84.

Research and surveys

- B.6 'Interim maps for the Wolfson Geochemical Atlas of England and Wales', Applied Geochemistry Research Group, Imperial College London, July 1974.
- B.7 Hardback pocket notebook paginated 1-116 (top right hand corner) and 169-237 (bottom right hand corner), later pages not numbered. Used for notes, maps (pasted onto pages) and data from well logs 1940-c.1971. A little intercalated material.

Midlands

- B.8-B.11 'Lias corresp'. Contents of Kent's folder so inscribed divided into four for ease of reference: correspondence and papers 1935-78, chiefly *re* Lias of Leicestershire and Lincolnshire.
- B.8 1935-37. Includes Stanton Ironworks Company information on Holwell mine [Leics].
- B.9 1940-47. Correspondence 1940-41 chiefly *re* ammonites from lower Lias in the Vale of Belvoir, Leics, and the River Till, Lincs.
- B.10 1951-64. Includes typescript notes ?by Kent on 'The Mesozoic rocks of Bornholm', 23 October 1962 and 'The basal Lias near Long Bennington [Lincs]', 23 November 1962.
- B.11 1965-78. Includes 'A lower Lias section in the River Till' by Kent, 2pp typescript, published in *Bibliog.* 93, 1974, and 'The age of the Frodingham Ironstone' by M.K. Howarth, 3pp typescript, sent to Kent 17 April 1974.
- B.12 Ring binder made by Kent and used to file ms and typescript notes on sites in the Midlands in an alphabetical sequence. Various dates 1935-1968. Some loose intercalated material.
- B.13 Ring bound pocket notebook used by Kent from the front chiefly for notes on sea-shells and on sites in the Midlands where they were found. Latest bibliographical reference 1936.

Research and surveys

- B.14 B.21 Pocket notebook inscribed on fore edge 'East Midlands' and on first page 'Lancashire, Lincolnshire & Leicestershire'. Used from the front for notes on sites 1937-46 and from the back for notes on sites and on first aid. Loose at front is personal note from younger daughter (Elizabeth) Helen following visit to Kent in Port Moresby (c.1955-57).
- B.20 Long Bennington G.1 and G.2 [Lincs], Boffasford 1 and 2 [Leics], Lymington 1 [Lincs], Gulf Exploration Co. Cleveland Hills 1 [York], Foston 1 [Lincs]
- B.15-B.17 'Geophysical data'. Contents of Kent's folder so labelled divided into three for ease of reference.
- B.21 Nocton 2, 6 and 7, Spital 1, Sproxton 1, Stixwold 1 [Lincs]
- B.15 Driller's Tour Reports from bore-holes in Lincolnshire, June 1938.
- B.22 B.23 '1" well logs E. Midlands'. Contents of Kent's folder so inscribed divided into two for ease of reference.
- B.16 D'Arcy Exploration Co. and other maps:
- B.22 D'Arcy Exploration was a subsidiary of Anglo-Iranian Oil operating in the UK.
Clawson 1 [Leics], Widmerpool 1 [Notts]
- Structure Contour map of the base of the Lincolnshire Limestone, Lincs, 1937.
- B.23 BP Exploration Co. well logs 1950s; Colston Bassett North 1 and South 1
Seismic Refraction Survey of Lincs and Notts, c.1940 (2 maps).
- Reflection Seismograph Survey of Log Clawson-Widmerpool-Bunny area, Lincs and Notts, 1943 (3 maps).
- B.24 'Sections + misc. reports E. Midlands'. Contents of Kent's folder so inscribed.
Refraction survey of Foston-Bourne-Thistleton area, Lincs, 1946.
1946 and 'The structure of the Haughton - Parfithorpe area [Notts]' 2pp. +
Seismic Refraction Survey of Lincs and Notts, 1951.
Seismic Survey of area south of Lincoln, nd.
Survey map of Notts and Lincs heavily annotated by Kent, 1951.
Magnetic Survey of Lincs, nd.
- B.24A
B.17 Sections 'from Bresson to Widmerpool' and 'across the North
Charts from 'East Lincs. Magnetic Survey', nd.
and May 1946.
- B.18 Hardback pocket notebook inscribed inside front cover '1939'. Used for
notes on sites in Midlands. Many pages have been removed.
B.25-B.27 inscribed divided into three for ease of reference.
- B.19 'Misc. Mids Jurassic Well data'. Contents of Kent's folder so inscribed:
notes and data from wells at Spital [Berks], Wysall [Notts], Sproxton [Leics],
Blankney [Lincs] and Stixwold [Lincs]; 'A re-examination and study of
Northampton sands samples from Lincs Test Wells' 3pp typescript, 16
January 1945; 'Revision of Sheet 142 - Melton Mowbray', 6pp ms not in
Kent's hand; etc. Midlands', 2pp, 20 July 1953; ms notes

Research and surveys

- B.20, B.21 'Jurassic - E. Eng. Graphic Logs'. Contents of Kent's folder so labelled divided into two for ease of reference: D'Arcy Exploration Co. well logs 1940s.
- B.20 Long Bennington G.1 and G.2 [Lincs], Bottesford 1 and 2 [Leics], Claypole 1 [Lincs], Gulf Exploration Co. Cleveland Hills 1 [Yorks], Foston 1 [Lincs].
- B.21 Nocton 2, 6 and 7, Spital 1, Sproxton 1, Stixwold 1 [Lincs].
- B.22, B.23 '1" well logs E. Midlands'. Contents of Kent's folder so inscribed divided into two for ease of reference.
- B.22 D'Arcy Exploration Co. well logs 1940s: Eakring 1 and 146 [Notts], Long Clawson 1 [Leics], Widmerpool 1 [Notts].
- B.23 BP Exploration Co. well logs 1950s: Colston Bassett North 1 and South 1, Cropwell Butler 1, Langar 1 [Notts].
- B.24 'Sections + misc. reports E. Midlands'. Contents of Kent's folder so labelled: typescript notes by Kent 'Mesozoic structure of western Norfolk', 4pp, 6 May 1946 and 'The structure of the Haughton - Perlethorpe area [Notts]', 2pp + map, 6 August 1946; draft 'Deep borings in Lincolnshire' by Kent, 5pp ms, nd; 'Appendix. Notes on Geological Survey [of the Lincoln area]' ?by Kent, 6pp typescript, nd; Seismic Refraction Survey map of Notts and Lincs heavily annotated by Kent, 1951.
- B.24A Sections 'from Breedon to Widmerpool' and 'across the the north Leicestershire (Vale of Belvoir) syncline' by Kent, with covering memos April and May 1946.
- B.25-B.27 'Structure of East Midlands'. Contents of Kent's folder so inscribed divided into three for ease of reference.
- B.25 Typescript notes by Kent 'East Midlands drilling prospects', 2pp, 20 September 1951 + later map, 'Compilation and publication of U.K. drilling results', 3pp, 28 September 1951, 'Bottesford [Notts], recommendation for additional test', 3pp, 1948 with covering note 28 September 1951, 'The structure of Cauntton [Notts]', 1p + map, 15 April 1953, 'Forward seismic programme: East Midlands', 2pp, 20 July 1953; ms notes.

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- B.26, B.27 Maps.
- B.26 'Geological structure contour map' of Notts and S. Yorks, 1940. Annotated by Kent.
- 'Relations of the Midlands coalfields' by Kent, 1 September 1947.
- 'Farley's Wood' by Kent, 13 October 1947.
- Isochron map of area south of Lincoln, 25 September 1949.
- B.27 'Isopachs of the lower and middle coal measures (Millstone Grit to Top Marine Band) in the North East Midlands', 21 November 1951. (6 maps).
- Isochrons of deep refractors in Notts and Lincs, Shrops and Staffs, Lancs and N. Yorks, nd. (4 maps).
- Lincolnshire Limestone, nd.
- 'Belt for reflection survey' in Lincs, nd.
- B.28-B.32 'Rhaetic beds of the North East Midlands' and 'Rhaetic drafts and correspondence'. Contents of Kent's folder so inscribed divided into five for ease of reference: material *re* 'The Rhaetic beds of the North East Midlands' by Kent, *Bibliog.* 34, 1953 (see also B.33-B.35) and other work on Rhaetic.
- B.28 Notes and data from bore-holes at Thorney, Scotter Wood, Pilham [Lincs] and Billesdon [Leics], c.1940; 'The deposition of the Rhaetic bone beds' ?by Kent, 4pp typescript, latest bibliographical reference 1944; correspondence 1948 with M.R.W. Johnson and S.G. Clift *re* data on Rhaetic of Bunny area [Notts].
- B.29 'Comments on Dr Kent's Rhaetic paper' by N.L. Falcon, 30 October 1951; correspondence *re* Rhaetic 1952-53, 1955.
- B.30 'Details of sections', typescript and ms draft of part of Kent's article; ms notes, tables and figures.

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- B.31 Map of Rhaetic in the Midlands by Kent, 1961; 'U-shaped burrows in the Rhaetic of Nottinghamshire' by Kent, 2pp typescript + figures, revised 1960s, relates to 'Problems of the Rhaetic in the East Midlands', *Bibliog.* 76, 1970; 'The stratigraphy and palaeontology of the Rhaetic (Triassic) beds of Barnstone, Nottinghamshire' by J.H. Sykes and J.S. Cargill, 44pp typescript + figure, 10 November 1969.
- B.32 Typescript notes on the Rhaetic in the north Midlands, Lincs, Yorks, and the North Sea, c.1970, possibly prepared for the Stratigraphy Committee of the Geological Society, with comments on Kent's 'Rhaetic. Draft account for Geol. Soc. Strat. Committee', November 1970 (see F.101); charts of Rhaetic development in Lincs and Yorks by Kent, 1970; correspondence various dates 1971-86 and nd.
- B.33-B.35 'Rhaetic drafts'. Contents of Kent's folder so inscribed divided into three for ease of reference: chiefly *re* 'The Rhaetic beds of the North East Midlands' (see also B.28-B.32).
- B.33 'The Rhaetic beds of the North East Midlands' by Kent, 23pp typescript with ms correction; 'Sections in the Jurassic beds of the East Midlands' by Kent, 29pp typescript, latest bibliographical reference 1946.
- B.34 Figures for the article, illustrating Rhaetic outcrops in the N.E. Midlands.
- B.35 Correspondence *re* article 1952-53 and later work on the Rhaetic beds of the Midlands 1961, ms and typescript notes.
- B.36, B.37 'Rhaetic'. Contents of Kent's folder so inscribed divided into two for ease of reference.
- B.36 Ms notes on Bunny [Notts] sent to Kent 14 April 1946; ms draft 'The Rhaetic thicknesses in relation to structure' by Kent, 4pp, c.1940s; map of 'Rhaetic thicknesses in the Northeast Midlands' by Kent, 1961; correspondence and typescript notes on Rhaetic beds of Wilkesley bore-hole [Ches] from C.J. Stubblefield, January 1962.
- B.37 Ms notes on Torksey well 1, c.1962; correspondence 1964, 1977, 1978.

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- B.38 'Lias & Rhaetic (Source rocks +)'. Contents of Kent's folder so inscribed: letter *re* 'specimen of an Acanthodian jaw', 4 January 1956; 'Type sections of Bathonian, Portlandian and Purbeckian stages, and the problem of the Jurassic-Cretaceous boundary' by P.C. Sylvester-Bradley, 7pp duplicated typescript sent to Kent for comment 8 June 1962; ms notes.
- B.39 'Lower/Middle Lias Paper Lias Working Data'. Contents of Kent's envelope so inscribed: 3pp ms draft 'The basal Lias near Long Bennington' (see B.10); references; maps; etc. 1960s.
- B.40 'The lower and middle Lias sequence in the North-East Midlands' by Kent, 32pp typescript, 'Redraft dated March '63'.
- B.41-B.48 Contents of Kent's envelopes inscribed with map number (Ordnance Survey 1 inch:1 mile series) and area covered. The envelopes may contain ms and typescript notes and data, sections and maps chiefly relating to shot-points and bore-holes in the area.
- B.41 'Sheets 71-72 Market Weighton [Yorks]'. 1963-83 and nd. Includes 'The earlier Lias of North-West Lincolnshire' by Kent, 3pp typescript '2nd draft', nd.
- B.42 'Sheet 80 Shotholes sections Lias N. Lincs'. Notes and correspondence *re* South Cave, Lincs, 1975.
- B.43 'Sheets 89-90 Scunthorpe/Brigg [Lincs]'. 1962-73.
- B.44 'Sheets 102-103 Saxilby - Market Rasen Riseholme - Bishop Norton [Lincs]'. 1964, 1973.
- B.45 'Sheet 114-115 Lincoln - Rasen Brant Broughton - Thorney [Lincs]'. 1964-81. Includes well log from Welton well 1, 1981.
- B.46 'Sheet 127 (with 126) Grantham [Lincs]'. c.1950-72.

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- B.47 'Sheet 141 Loughborough [Leics]'. Notes on Bunny, Notts, March 1978.
- 'Sheet 142 Melton Mowbray [Leics]'. Chiefly *re* Old Dalby. 1946-73.
- B.48 'Sheet 143 Bourne Woolsthorpe - Mkt Overton [Leics]'. 1966, 1972.
- 'Sheet 157 Stamford [Lincs] Greetham - Wansford [Cambs]'. 1964-73.
- B.49 Hardback pocket notebook used for notes on sites in East Midlands 1968-71. Pages at front removed.
- B.50 Spiral bound notebook. Used for notes on sites in Lincs and Leics, 1975-76. Most pages not used.
- B.51 'South Midlands'. Contents of Kent's folder so inscribed: miscellaneous material 1954, 1958, 1968. Includes well log from Noke Hill G.1, and note by Kent commenting on 'Oil prospects of the Staffordshire basin' by ?J.I. Gillespie, 1 May 1958.
- B.52 'North Staffs Maps 1965'. Contents of Kent's envelope so inscribed: sections etc.

Lincolnshire

- B.53-B.57 'Oolites - Corresp. Palaeo & stratig'. Contents of Kent's folder so inscribed divided into five for ease of reference: correspondence and papers *re* Lincolnshire Limestone 1934-79.
- B.53 1934-36. Includes typescript list of 'Lincolnshire Inferior Oolite Brachipoda. Collected by P.E. Kent, 1932-1936' and ms list of those specimens missing.
- B.54 1938-41. Includes 1941 correspondence with L. Richardson *re* stratigraphical nomenclature in the Lincolnshire Limestone and with H.M. Muir-Wood *re* specimens for the British Museum (Natural History).

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- B.55 1946-47. Includes correspondence *re* specimens for British Museum (Natural History) and H.L. Hawkins, Reading University, and 1p ms note on 'Section at South Ferriby, Lincolnshire', 8 July 1947.
- B.56 1952-60. Includes 'The nomenclature and subdivisions of the Lincolnshire Limestone' by Kent, 8pp typescript + references and figures, with comments from Muir-Wood 20 May 1955.
- B.57 1961-79. Includes correspondence 1968-69 *re* 'the Clipsham ammonite'.
- B.58-B.60 'Lincolnshire - Limestone structure'. Contents of Kent's folder so labelled divided into three for ease of reference.
- B.58 'Report of a study of the Lincolnshire Limestone' by Kent ('Prelim. Report to D.S.I.R. 1936'), 19pp typescript + figure; 'The structure of north Northamptonshire' by Kent, 5pp typescript, November 1936.
- B.59 'The geology of north Lincolnshire' by Kent, ms and typescript draft with ms corrections and additions, February 1938.
- B.60 Typescript notes by Kent 'Revised structural contour interpretation of Lincolnshire Seismic Survey', 7pp, 2 April 1941; 'Report on the occurrence of pure Limestone, suitable for large scale quarrying, in Lincolnshire', 3pp, nd; 'Deep borings in Lincolnshire', 3pp, nd; 'The Jurassic beds', 4pp, nd.
- B.61 'Report of a study of the Lincolnshire Limestone' by Kent, 20pp typescript, September 1936. This report is a revised version of that at B.58 above. It is annotated 'Report to DSIR under terms of research grant...'
- B.62-B.64 'Geological Report P.E.K. 1. Report on the geology of Lincolnshire' by Kent, May 1937. This was Kent's first report for Anglo-Iranian Oil.
- B.62 24pp typescript + 6pp appendix and errata.
- B.63 Figures.

Research and surveys

- B.64 Miscellaneous maps found with figures:
- 'Revised structure contour map of the base of the Lincolnshire Limestone near Lincoln' by Kent, 31 May 1938.
- 'Surface contour map of the upper surface of the interior Oolite near Grantham, Lincolnshire' by Kent, 3 June 1938.
- 'Thicknesses of Jurassic rocks near Grantham' by Kent, 3 June 1938.
- 'Structural contour map of the upper surface of the Lincolnshire Limestone' by Kent, 'Revised November 1940'.
- B.65 Exercise book inscribed on front cover 'Previous literature Lincs. Limestone', and with business card printed 'P.E. Kent, B.Sc. Research Student...' pasted to inside front cover. Most pages have been removed, those remaining are loose. Miscellaneous ms notes.
- B.66-B.70 'Well logs. N & E Lincolnshire'. Contents of Kent's folder so labelled divided into five for ease of reference. Chiefly 1930s.
- B.66-B.68 Records, sections and notes of wells or borings.
- B.66 Appleby, Barnetby, Broughton, Burton upon Stather, Caenby.
- B.67 Clapgate, Haverholme, Hibaldstow, Howsham, Kettleby, Kirton Lindsay, North Lincoln.
- B.68 Reeds Island, Risby Warren, Scothern, Scotney Farm, Scotter, Winteringham, Winterton Holmes, Worlaby, Wrawby, Wressle.
- B.69 'Appleby - Brigg area 3" index to [water and exploratory] borings'; 'Borehole records' collected by A.M. Cobban; etc.
- B.70 List of 'Ammonites from the Frodingham Ironstone of the Scunthorpe district. Collected by P.E. Kent...January 1938', 2pp typescript with ms annotation; list of 'Frodingham Ironstone - deep exploration borings'; 'Plan showing Frodingham Ironstone exploration area'; section from Worlaby showing strata above Frodingham Ironstone.

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- B.71, B.72 'Well logs. Lincs. Wolds'. Contents of Kent's folder so labelled divided into two for ease of reference. Chiefly 1930s.
- B.71 Typescript data from Beelsby, Cadbourn, Caistor, Croxby, Grasby, Great Limber, Kelstern, Nettleton, Somerby, Tealby, Thoresway, Walesby, Wold Newton.
- B.72 Records of wells or borings from Addlethorpe, Alford, Burgh le Marsh, Calcethorpe, Donington, Grimoldby, Louth, Maltby le Marsh, Melton Ross, Sutton on Sea, Tathwell, Welton le Marsh, Willoughby, Wold Newton; miscellaneous data.
- B.73-B.77 'Well logs. C + S Lincs'. Contents of Kent's folder so inscribed divided into five for ease of reference. Chiefly 1930s.
- B.73-B.76 Records of wells or borings.
- B.73 Ancaster, Anwick, Bainton, Benefield, Cottesmore [Leics], Billingborough, Braceby, Branston, Burton Pedwardine, Canwick, Clipsham [Rut], Colsterworth, Cranwell, Digby, Donington, Dorrington, Dowsby, Easton [Northants], Edenham, Evedon, Ewerby Waithe.
- B.74 Faldingworth, Fineshade [Northants], Folkingham, Gosberton, Great Casterton [Leics], Great Ponton, Grimsthorpe, Hacconby, Haydor, Horbling, Kingscliffe [Northants], Kirkby Underwood, Langworth, Laxton, Lincoln.
- B.75 Little Bytham, Metheringham, Miningsby, Normanton, Pilsgate, Potter Hanworth, Preston, Ropsley, Sapperton, Scampton, Scopwick, Sempringham, Shelford, Sleaford, South Witham, Spalding.
- B.76 Spanby, Spridlington, Stamford, Stanion [Northants], Swaton, Swayfield, Swineshead, Swinstead, Thorpe Tilney, Threckingham, Tickencote [Leics], Waddington, Wansford, Wilsford, Wittering, Wymondham [Leics].
- B.77 Correspondence 1936, 1941; sections of Eagle and Thorney bore-holes, 1940; ms notes.

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- B.78 'Seismic Wells - Lincoln 1938-9'. Contents of Kent's envelope so inscribed: ms notes on refraction surveys carried out in area south of Lincoln; map of area surveyed.
- B.79 'Seismic Wells Notts, S. Lincs, Leics 1940-43'. Contents of Kent's envelope so inscribed: ms and typescript notes on refraction surveys.
- B.80 Softback pocket notebook inscribed on front cover 'Lincoln 1937 Lincs'. Used for notes on sites lying south and south east of Lincoln.
- B.81 Hardback pocket notebook inscribed on front cover 'Central Lincs May 1938'. Used for notes on sites lying east and south of Grantham.
- B.82 Pocket notebook inscribed on front cover P.E. Kent N. Lincolnshire, 1938'. Used for notes on sites east and south-east of Brigg.
- B.83-B.85 'The geology of North Lincolnshire' by Kent, February 1938.
- B.83 39pp typescript + 'Stratigraphy of the Frodingham Ironstone', 11pp typescript appendix and 'Note on the Brigg district', 2pp typescript.
- B.84, B.85 Figures. 2 folders.
- B.86 Correspondence and papers, 1940-67 and nd, found with preceding. Includes typescript notes by Kent 'Boreholes at Winterton and Scotney, North Lincolnshire', with covering letter to C.H. Dinham, 24 January 1940, 'Ammonites from the Kim[m]eridge Clay of the Lincolnshire Fens', 18 June 1940, 'An ammonite from the Spilsby Sandstone of Elsham , North Lincolnshire', 8 November 1961 and 'River systems and glacial retreat stages in south Lincolnshire' by Kent, nd.
- B.87-B.89 'South Lincolnshire Reports. 1. Surface structure of Grantham - Sleaford area (1938). 2. Surface structure of Long Benington district. 3. Underground structure of Grantham - Stamford area (1946)'. Contents of Kent's folder so inscribed divided into three for ease of reference.

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- B.87 'On the geology of the Grantham district', by Kent, 6pp typescript + figures, 7 October 1938.
- B.88 'Report on the underground structure of the county between Grantham and Stamford' by Kent, 4pp typescript + figures, 2 July 1946; 'Sections of South Lincolnshire', 27 July 1946.
- B.89 'A borehole to basement rocks at Glington, near Peterborough, Northants' by Kent, 6pp typescript, for meeting of Geological Society 13 December 1961 (*Bibliog.* 47); 'Glington no.1 Geological completion report' by M.F. Ridd, 22pp photostat copy, October 1961; note on 'Material from Glington No. 1 borehole' by R. Walls, 2pp typescript, 24 November 1961; etc.
- B.90 Miscellaneous material *re* Glington well. Includes four mounted photographs of rock samples from the well.
- B.91, B.92 'Columnar secns'. Contents of Kent's envelope so inscribed divided into two for ease of reference.
- B.91 'Report on the Long Bennington structure' by Kent, 8pp typescript, 1942; miscellaneous ms sections; maps; exchange with R.J. Firman *re* Long Bennington bore-holes, October 1962.
- B.92 '[The lias of the north east Midlands] Part two: the Lias and Oolites', 14pp typescript + appendix; typescript data 1948 from test borings at Blankney, Bottesford, Claypole, Lincoln, Nocton, Ruskington, Spital, Sproxton, Stixwold, Sturton by Stow; 'Palynological report on chipping samples from BP...borehole at Claypole, 16 June 1971.
- B.93, B.94 'Lincolnshire Brochure (revision)'. Contents of Kent's box file so labelled divided into two for ease of reference.
- B.93 Correspondence, chiefly *re* East African geology and Lincolnshire Limestone, 1941-45.
- B.94 Bibliographical references; figures; outline list of contents ?for brochure.

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- B.95 Spiral bound notebook used from the front for notes on sites in Lincs 'pre-1945' and from the back for draft 'Outline of stratigraphy'. Most pages not used.
- B.96 Hardback pocket notebook inscribed on front cover 'Lincolnshire 1946'. Used for notes on Hibaldstow boring 28 June 1946. Most pages not used.
- B.97, B.98 'Lincs Seismic Holes 1948'. Contents of Kent's envelope so inscribed divided into two for ease of reference.
- B.97 Ms data from shot-points at Aubourn, Blankney, Brandon, Brauncewell, Claypole, Coleby, Digby, Dorrington, Gelston, Haddington, Kettlethorpe, Nocton, North Hykeham, Potter Hanworth, Scopwick, Stubton, Wellingore
- B.98 Hand-drawn maps indicating positions of bore-holes; section from Carr Lane bore-hole, Hibaldstow.
- B.99 Miscellaneous material 1940s: map of Trent and sites to the east 1941; section of area from Eakring - Dunston 1943; map of Long Clawson; ms note 'A lateral change in the Red Chalk [of north Lincolnshire]'.
- B.100 Hardback pocket notebook used from the front and from the back for notes on sites in Lincs, earliest date 3 July 1950. Most pages not used.
- B.101 'Lexicon of Stratigraphy. Jurassic Rocks of Lincolnshire' by Kent, March 1955. Retained in original binder.
- B.102 Correspondence and papers found with preceding. The correspondence is principally with J.E.Hemingway, 1955, responsible for recording the Jurassic entries.
- B.103 'M[iddle] + U[pper] Lias & Oolites'. Contents of Kent's folder so inscribed: 'A borehole at Welton, near Lincoln' by Kent, 3pp typescript, 31 January 1955 (*Bibliog.* 39); ms and typescript notes and pages of drafts.

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- B.104 'Northerly estuarine'. Contents of Kent's envelope so inscribed: typescript accounts of sections at Fillingham and Ingham Cliff, 1964; report on Welton borehole, 3pp typescript.
- B.105 'The earlier Lias of north-west Lincolnshire' by Kent, 2pp typescript, 24 September 1964.
- B.106 'Tetney Lock No. 1'. Contents of Kent's folder so inscribed: well log from Tetney Lock 1; typescript notes, c.1964; sample descriptions.
- B.107 Hand-drawn sections by Kent 1964, some from 1930s data, others from data from trenches dug by East Midlands Gas Board: Blyborough, Clipsham, Denton, Colsterworth, Fillingham, Glentworth, Hibaldstow, Ingham Cliff, Leadenham, Scampton, Spital, Waltham, Welton.
- B.108 London Palaeontological Notes by F.C. Dilley, 1965, 'Microfaunas from Jurassic (chiefly Liassic) surface samples from Lincolnshire' and 'Microfauna from the Jurassic of Tetney Lock No. 1 Well', with 2pp typescript comments by Kent 25 June 1965.
- B.109, B.110 'Fenland Graphic Logs'. Contents of Kent's envelope so inscribed divided into two for ease of reference.
- B.109 BP log for Bardney well 1, 1966.
- B.110 Notes and data on wells at Wisbech and Wittering 1971; well logs from Ruskington 1, 1955, Helpringham 1, 1969, Brigg 1, 1981.
- B.111 Miscellaneous material 1960s: correspondence *re* borings 1962; typescript note on 'Trench sections at Westborough, Lincs' ?1966; sketches by Kent of geology at Castle Quarry, Ancaster and Leadenham Quarry, 1969; sections.
- B.112 Contents of Kent's envelope: miscellaneous correspondence and papers, 1971-73. Includes ms 'field notes & sketches' and typescript data from 1971 Gas Council trench in north west Lincs; log and typescript data from Nettleton well 1 1972; and 'The Cretaceous - Jurassic contact in the 1973 Elsham trench section' by Kent, 3pp typescript, November 1973.

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- B.113 Contents of Kent's folder: correspondence and papers 1973-76 *re* second edition of 'The geology of Lincolnshire', by Kent and H.H. Swinnerton (*Bibliog.* 105, 1976).
- B.114 'The River Brant section between Skinnand, Brant Broughton and Stragglethorpe, mid-Lincs. 1973' by Kent, 5pp typescript + 'Brant section near Stragglethorpe 1.2.74'.
- B.115 'Oolites J.A.D. Dickson sections'. Contents of Kent's envelope so inscribed: sections from the Great Hale bore-hole sent to Kent January 1974.
- B.116 Inferior Oolite isopach maps of area east of Lincoln, sent to Kent by R.J.M. Dixie 22 March 1974.
- B.117 'Lincs. Palaeontology (Lias - ex-I.G.S.) B.M.'. Contents of Kent's folder so inscribed: 16pp list of identifications of Lincolnshire fossils presented by Kent to Institute of Geological Sciences 1968-72, sent to Kent 4 April 1974.
- B.118 'Nettleham #1 Logs'. Contents of Kent's envelope so inscribed. 1982.
- B.119 'Ewerby (Sleaford) Boreholes'. Contents of Kent's envelope so inscribed: 'basic strata logs' for four bore-holes sunk by Anglian Water 1985-86.
- B.120 Hardback pocket notebook used from the front and from the back for notes on sites in north Lincs. Nd.
- B.121 'Lincs Lst. Richardson's Strat. Columns'. Contents of Kent's envelope so inscribed. Nd.
- B.122 Miscellaneous ms notes and sections.

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Nottinghamshire

- B.123 'Land Utilisation Aug. 1941 Fisketon'. Content of Kent's envelope so inscribed: hand-drawn map.
- B.124 Report UK 137 'Geology of South Nottinghamshire' by Kent, December 1947, retained in original binder. Some later material has been added within the binder at back of report. Material found loose is at B.125.
- B.125 Correspondence, papers, photographs and maps found loose at back of B.124. 1969 correspondence is principally *re* Widmerpool Gulf.
- B.126, B.127 'South Notts. 1951 Draft'. Contents of Kent's envelope so inscribed divided into two for ease of reference
- B.126 13pp typescript with ms correction + ms list of illustrations and title page, with covering letter 1954. A note on the title page states: 'Draft of paper, written 1951 revised 1955, intended for eventual publication'.
- B.127 Figures.
- B.128 'South Notts draft maps'. Contents of Kent's envelope so inscribed: annotated well log for Widmerpool 1.
- B.129-B.131 'Notts - Air photos'. Contents of Kent's envelope so inscribed divided into three for ease of reference. Some labelled or inscribed with identification on verso. 1941 and nd.

Leicestershire

- B.132 'Leicestershire Lower Carboniferous Field records 1939'. Contents of Kent's envelope so inscribed.

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- B.133 'Plungar [Leics]'. Contents of Kent's folder so inscribed: 'Note on the Plungar structure' by Kent, 1p typescript, 27 January 1954; draft on the Middle and Upper Lias, 4pp typescript; D'Arcy Exploration Co. well logs for Plungar 1 and 2 and Barkeston 1; maps of Plungar area; etc.
- B.134 Report UK 357 (PEK 68) 'The Melton Mowbray Prospect' by Kent, July 1961, retained in original binder. Some later ms notes loose at back.
- B.135 'Oolites sections'. Contents of Kent's folder so labelled: miscellaneous notes, sections etc 1969-73, chiefly *re* Sproxton.
- B.136 Miscellaneous material various dates 1964-84. 1984 correspondence and papers *re* Asfordby bore-holes sunk by National Coal Board.

Derbyshire

- B.137-B.141 'Derbyshire'. Contents of Kent's envelope so inscribed divided into five for ease of reference. Correspondence and papers 1946-71.
- B.137 1946-50. Chiefly *re* geological examination of silica pits in Newhaven area. Includes Kent's report on 'The location of silica deposits on the Derbyshire plateau' prepared for the Derbyshire Silica Firebrick Company, 3pp typescript, 3 January 1947 and 'The Mesozoic history of the southern Pennines' by Kent, 4pp ?incomplete typescript with ms correction and annotation, latest reference 1947.
- B.138 1957-59. Chiefly *re* 'Triassic relics and the 1,000-foot surface in the southern Pennines' by Kent (*Bibliog.* 42, 1957). Includes draft of article, 12pp typescript and of 6pp typescript 'Postscript note' arising from work of C. Yorke, and related correspondence.
- B.139 1961-71. Includes photocopies of letters of F.W. Shotton to C. Yorke, 1961-62, *re* Derbyshire blue clays.
- B.140 Typescript and ms notes on the literature.

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- B.141 Ms notes, tables etc.
- B.142 'UK exploration - Land Licenses, South Derbyshire' by Kent, 1p typescript note to H.R. Warman, 22 November 1973, with map showing area for which Kent recommended a License should be sought.

East Anglia

- B.143, B.144 'East Anglia'. Contents of Kent's folder so labelled divided into two for ease of reference.
- B.143 'Seismic investigations of East Anglia and their geological implications' by Kent and J.E.R. Wood, 2pp duplicated typescript resumé of presentation to British Association meeting August 1961; 'Notes on paper "Seismic investigations of East Anglia [...]" ' by T.F. Gaskell, 4pp photostat typescript, 23 November 1961, with response from J.E.R. Wood.
- B.144 Revised version of 'Seismic investigations of East Anglia [...]', 13pp typescript, October 1962.
- B.145 Contents of Kent's folder: logs from North Creake well 1, South Creake well 1 and Somerton well 1; Superior Oil Co. summaries of logs for Ellingham, Four Ashes, Lakenheath, Ashwell, Little Chishill, Tring 1965-66; ms and typescript notes.

Southern England

- B.146-B.151 'S. England'. Contents of Kent's folder so inscribed divided into six for ease of reference
- B.146 'Geological Progress Report for March 1937' by A.H. Taitt, 3pp typescript; data from Worbarrow Bay, Mupe Bay and Lulworth Cove [Dorset], October 1937, with ms diagrams and notes found therewith; data from Chaldon well 1 [Dorset], 29 March 1939.

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- B.147 'Choice of a deep drilling location for Mesozoic oil in Southern England' by Kent, 4pp typescript + covering memo, 20 May 1946; 'Draft Memo to Mr Seamark. A recommendation for a boring at Sandown, Isle of Wight' by G.M. Lees, 10pp typescript, sent to Kent for comment 6 June 1946; notes on 'Kimmeridge oil shale development' by Kent, 4pp typescript + covering memo, 8 October 1947; memo to N.L. Falcon on 'Corallian prospects of the Dorset coast', 2pp typescript, 29 December 1947.
- B.148 Correspondence and papers *re* fossils in Isle of Wight Carstone, October 1952; typescript list of chief or characteristic ammonites to be found in various rocks, nd.
- B.149 Well logs from Brightling 1 [Sussex], Fordingbridge 1 [Hants], Grove Hill 1 [Sussex], Portsdown 1 [Hants], Poxwell 1 [Dorset], Willesden 1 [Mddx].
- B.150 Annotated chart of data from logs of wells in Sussex, Hants and Isle of Wight; BP geological maps of southern England showing gas and oil production, June 1970.
- B.151 Two cross-sections 'across the I.o.W. structure', sent to Kent 27 September 1974; correspondence *re* geology of Ham and Kingsclere [Hants], 1979; material *re* bore-holes at Marchwood [Hants] and Winterborne Kingston [Dorset]; etc.
- B.152, B.153 'Dorset reports. September 1937'. Contents of Kent's folder so labelled divided into two for ease of reference.
- B.152 Memo from P.T. Cox to A.H. Taitt 5 May 1937 (includes note that 'Mr Kent will report to you as Resident Geologist, Poxwell, on Friday 14th May'); notes by W.J. Arkell, July 1937 on 'Thickness of Kim[eridge] Clay', 5pp typescript and 'Oil prospects in the Lulworth district'; 'Poxwell No. 1. Completion Report' by Kent, 8pp typescript + section; 'Report on excavations on the Poxwell structure' by Kent, 2pp typescript + sections.
- B.153 'Note on the Bincombe, Sutton Poyntz, Poxwell and Chaldon structures of S. Dorset' by Taitt, 4pp typescript + figures, with copy of comments by Arkell; 'Note on the succession penetrated at Broadbench, Kim[m]eridge Bay' by Kent, 4pp typescript + log; well logs of Kimmeridge 1 and Radipole 1 [Dorset].

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- B.154 'Dorset Sutton Poyntz & shot holes'. Contents of Kent's envelope so inscribed: includes annotated map of Sutton Poyntz area, correspondence *re* specimens, May 1948, and sections through Chaldon Herring anticline, 1955.
- B.155-B.157 'Kingsclere [Hants] Boring'. Contents of Kent's envelope so inscribed divided into three for ease of reference.
- B.155 'The Kingsclere boring' by R.V. Melville, 24pp typescript + table, sent to Kent for comment 20 September 1949, with related correspondence including later draft for letter to Melville asking 'Now that you are facing retirement, would you like to take it up again?'
- B.156 'Underground storage prospects' by Kent, 4pp typescript + covering memo and figure, May 1953.
- B.157 Log and data from Kingsclere well 1.
- B.158 'Dorset stratigraphy'. Contents of Kent's folder so inscribed: letter to Kent from M. Adcock, 26 December 1939; ms and typescript drafts of 'The origin of Ptygmatic folding' by Kent; data from wells at Eakring, Caunton and Kelham [Notts].
- B.159 'Vale of Wardour'. Contents of Kent's folder so inscribed: letters from B.H. Mottram *re* the Poxwell Fault, and Mere Fault and Wardour Fold, December 1953; ms draft 'The structure of the Vale of Wardour'; ms notes; maps of vale of Wardour area.
- B.160 'UK oil prospects - West Dorset Mesozoic' by Kent, 2pp typescript, 28 November 1973.
- B.161 'R. Stoneley - Wessex Basin'. Contents of Kent's folder so inscribed: draft 'On the structural development of the Wessex Basin' by Stoneley, 13pp typescript + figures, sent to Kent for comment 6 January 1981, with letter arising.

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- B.162, B.163 'Oil in Dorset'. Contents of Kent's folder so labelled divided into two for ease of reference.
- In 1985 BP celebrated fifty years of exploration and production at Kimmeridge in Dorset. They asked Kent to assist in the compilation of a profile of operations in the 1930s.
- B.162 Draft profile of Kimmeridge operations by D.J.T. Smale, with covering letter to Kent, 24 July 1985.
- B.163 'The Kimmeridge story' by Kent, 9pp typescript with ms correction and annotation, 31 July 1985; background information including copy of 'Oil in Dorset' by Kent, *New Scientist*, 16 July 1959, 84-85 (not listed in *Bibliog.*).

Yorkshire

- B.164 'The Market Weighton Anticline' by Kent, 26pp typescript + figures, with ms annotation and correction, May 1938, retained in original binder. Also enclosed in the binder is contemporaneous correspondence from H.D. Thomas and a 'Comment on the results of the Beverley Seismic Survey - Report UK. 204' by Kent, 3pp typescript, 15 February 1955.
- B.165 Hand-made paper-back pocket notebook inscribed on front cover 'Market Weighton district P.E. Kent 1938'. Used for notes chiefly on South Cave and Millington.
- B.166, B.167 Correspondence and papers *re* 'The Market Weighton structure' by Kent, (*Bibliog.* 41, 1955).
- B.166 35pp typescript.
- B.167 Includes correspondence *re* paper, including comments from J.E. Hemingway, 22 March 1955, who read the paper to the Yorkshire Geological Society in Kent's absence in New Guinea; 5pp typescript transcript of comments on the paper following its presentation.

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- B.168 'Yorkshire Rhaetic'. Contents of Kent's folder so inscribed: correspondence 1946, 1952, 1953; well logs from Cleveland Hills 1, Eskdale 2, Moordale 1; ms notes.
- B.169 Composite structure contour map of the Cleveland Hills by Kent, 18 March 1947.
- B.170-B.172 'NE & SE Yorks'. Contents of Kent's folder so inscribed divided into three for ease of reference.
- B.170 'Potential gas-bearing structures in East Yorkshire' by Kent, 3pp typescript, 11 September 1953; list of Yorkshire wells with depths and thicknesses of Lias and Permo-Trias, nd; UK Gravity Survey 1952-53 maps of Middlesbrough and Humber areas.
- B.171 Maps, including:

Map of east Yorkshire by Kent, 10 February 1954.

Gas Exploration Proposed Seismic Programme map of Lincs and east Yorks.

Geological sketch map of north east Yorks.
- B.172 Typescript and ms data from Eskdale bore-holes; maps of the area.
- B.173-B.176 Contents of Kent's folder divided into four for ease of reference.
- B.173 Account of ?East Midlands Geological Society field trip to north east Yorkshire, 15-18 October 1965, with illustrative material found therewith; London Palaeontological Note 'Ostracod dating of Pre-Cretaceous strata, Market Weighton area' by R.A. Field, 11 December 1968.
- B.174 Miscellaneous correspondence and papers 1966-79.
- B.175 Ms and typescript notes on sites in Givendale area, 1973, 1975, 1980-82.

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- B.176 Correspondence and interim reports *re* bore-holes at Brown Moor, Howsham and Scalla Moor, 1974.
- B.177 'Yorkshire Deep Wells'. Contents of Kent's envelope so inscribed: well logs from Cleveland Hills (extension), Crayke 1, Fordon 1 (extension), Harlsey 1, Whitwell on the Hill 1 (extension). Latest date 1965.
- B.178, B.179 'East Yorks. Bore-hole Secns'. Contents of Kent's folder so inscribed divided into two for ease of reference: well logs, notes, data and correspondence with F.C. Dilley 1971-74.
- B.178 Barmston 1, Eskdale 2 and 12, Fordon 1.
- B.179 Great Hatfield 1, Hornsea 1, Millington Pasture shot-hole, Risby 1, Robin Hood's Bay 1, South Cliffe 1.
- B.180 'Winestead No. 1 S. Yorks'. Contents of Kent's envelope so inscribed: well log, data and notes, c.1972.
- B.181 'E. Yorks. and Humberside B.H.s'. Contents of Kent's envelope so inscribed: map of Hull area with sites of bore-holes indicated; well log from Kirkleatham 2; 10pp typescript list of thicknesses and depths of strata for bore-holes in Aclam area, sent to Kent 9 September 1975; etc.
- B.182 'Howardian Hills'. Contents of Kent's envelope so inscribed: ms notes, some dated June 1977.

Scotland

- B.183 'D'Arcy Exploration Company's search for petroleum in Scotland' by B.K.N. Wyllie, pre-print of presentation at Institute of Petroleum Conference, Glasgow, 6-11 June 1938.

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- B.184, B.185 'North-West Scotland 1968 Applecross Gruinard Bay, Skye'. Contents of Kent's folder so labelled divided into two for ease of reference.
- B.184 Field notes and typescript notes June 1968; letter to Kent from M.G. Collett *re* samples from Applecross, 23 July 1969.
- B.185 Geological Survey of Scotland map of Applecross.
- B.186 'Rhaetic etc Scotland'. Contents of Kent's folder so inscribed: notes on Trias succession at Rudha na Leac, Raasay, sent to Kent 7 April 1972; unidentified sections.

North Sea

- B.187 'Jurassic and Cretaceous reservoirs in the North Sea basin' by Kent, 4pp typescript + figure, 2 July 1962.

A covering note has been annotated by Kent 'Largely misleading'.
- B.188-B.191 'North Sea - General'. Contents of Kent's folder so labelled divided into four for ease of reference: papers *re* North Sea oil prospects 1963-67.
- B.188 'How good are North Sea offshore oil prospects?' by J.A. Kornfeld, *World Oil*, 1 February 1963, 47-51; 'The search for oil and gas in the North Sea' by J.S. Royds, 9pp typescript pre-print + figures, 'Nov. 1965'; 'A summary of the geology and geophysics of the British North Sea' by M. Holmes, 9pp typescript + 3pp typescript 'File Note' and table, December 1965.
- B.189 Programme for 14th Inter-University Congress on the Geology of Shelf Seas, Hull, January 1967, with Kent's ms notes on proceedings. See H.19.
- B.190, B.191 Figures, possibly illustrations for Kent's contribution above. 2 folders.
- B.192 'The basis of North Sea exploration' by Kent and A.F.M. Matthews, 12pp typescript, 'For oral presentation at the A.A.P.G. Convention, Toronto - May 1964'. See H.12.

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- B.193 London Palaeontological Note 'Foraminifera from BP (North Sea) 48/6/3, incorporating a Zonal Scheme for the Lias and its application to Hamilton' by F.C. Dilley, 1 December 1966.
- B.194, B.195 'North Sea: General 1967-'. Contents of Kent's folder so inscribed divided into two for ease of reference.
- B.194 Exchange with D.T. Donovan *re* nomenclature of North Sea features, February 1967; papers *re* discussion with Board of Inquiry into a North Sea submarine pipeline, 1970; etc.
- B.195 Memos etc. 1972.
- B.196-B.200 'North Sea Logs and Summaries 1/500'. Contents of Kent's envelope so inscribed divided into five for ease of reference. Latest date 1968.
- B.196 Wells 47/3-1 and 47/9-1.
- B.197 Well 47/15-1x.
- B.198 Wells 47/18-1 and 47/25-2.
- B.199 Well 48/6-5.
- B.200 Well 48/6-10.
- B.201-B.208 'North Sea Wells'. Contents of Kent's folder so inscribed divided into eight for ease of reference: well logs and summaries etc. Latest date 1973.
- B.201 Lists of oil companies and their wells; maps of oil fields and wells.
- B.202 Wells A339/-1, 38/29-1, 41/8-1, 41/20-1.

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- B.203 Wells 41/24A, 42/23-1, 42/29-1, 44/11-1, 44/21-1.
- B.204 Wells 47/3-1, 47/9-1, 47/13-1, 47/15.
- B.205 Wells 47/18-1, 47/20-1, 47/25-2, 47/29A-1.
- B.206 Wells 48/6-1, 48/6-5, 48/6-10.
- B.207 Wells 48/21-2, 49/13-1, 49/17-1, 49/22-1, 49/26-1, 53/10-1.
- B.208 'N. Sea Lias Zonal Chart'.
- B.209 Softback notebook inscribed on first page 'North Sea data 1974-'. Used from the front and from the back for notes 1974-75.
- B.210 'N. Sea - Cretaceous Sub-crop J. Butler 1975'. Contents of Kent's envelope so inscribed: data.
- B.211 Softback notebook inscribed on fore edge 'North Sea 1978'. Used for notes on wells in block 47. Most pages not used.
- B.212 Softback notebook inscribed on fore edge 'North Sea Lancaster Gate 1979 1980 83'. Used for notes on organisation of British National Oil Corporation and its Exploration Department; Conference on Petroleum Geology of the Continental Shelf of North-West Europe, March 1980 (see H.111, H.112); Geological Society meeting 1983.
- B.213 Institute of Geological Sciences North Sea Survey 'Equalised Stack' data. 1980.

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- B.214 Institute of Geological Sciences North Sea Survey 'Relative Amplitude Stack' data. 1980.
- B.215-B.217 Background material *re* North Sea pockmarks, sent to Kent 19 October 1982. 3 folders.
- B.218-B.225 North Sea figures and maps. 8 folders.
- Some of this material was used as illustrative material for Kent's presentations and articles on the North Sea.

IRAN

Kent's first overseas posting with Anglo-Iranian/BP was to Iran. Here he was involved in studying the geology of the outer mountains of the Zagros range. In 1951 BP were expelled from Iran when its interests were nationalised by the Iranian government. Kent was involved in three major surveys; of Kazerun 1948-49, and then of Bebehah-Kazerun 1949-50 and Fars-Laristan 1950-51 both of which were led by Kent. In 1951 BP was expelled from Iran when foreign owned oil companies were nationalised. For Kent's letters home to his family in this period see A.213-A.218.

With the restoration of the monarchy in Iran BP were able to resume their activities. In 1957 a consortium of western oil companies operating in Iran, including BP, established the Exploration Advisory Group, to advise on exploration matters. Later it reported to OSCO - the Oil Service Company - a joint concern of western oil companies serving as a direct contractor to the National Iranian Oil Company. Kent became a member of the EAG in 1965, replacing N.L. Falcon as the BP representative. In 1973 Kent became Chairman of the Group in succession to H.D. Hedburg, his continuing membership of the EAG being part of his post-retirement consultancy with BP. EAG activity comprised visits to Teheran to receive briefings from staff on the ground followed by field trips, chiefly to the oilfields and the Zagros mountains area. The party would then return to Teheran to draft its report. The EAG made its last visit in 1978; its activities were halted by the Islamic revolution and the overthrow of the Shah.

Kent's interest in salt plugs dated to his survey work in the Zagros mountains in 1948-51. Salt plugs are more numerous and better seen in this region of Iran than in any other area of the world. In February 1968 Kent was a member of a party which conducted a minor survey of salt plugs in the Fars province.

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The material is presented as follows:

- B.226-B.229 Kazerun Survey
- B.230-B.251 Behbahan-Kazerun Survey
- B.252-B.277 Fars-Laristan Survey
- B.278-B.290 Salt Plugs
- B.291-B.339 Exploration Advisory Group
- B.340-B.353 General

Kazerun Survey

- B.226 Appendices to 'Kazerun Survey - 1948/49' by Kent, August 1949. Retained in original binder.
- B.227, B.228 Maps prepared during Kazerun survey. 2 folders.
- B.229 Hardback pocket notebook used for notes on Iran 1948-49, and UK Midland sites 1970s.

Behbahan-Kazerun Survey

- B.230-B.236 'Behbahan-Kazerun Survey 1949-50 Monthly and Interim reports'. Contents of Kent's folder so inscribed divided into seven for ease of reference.
- B.230 Correspondence and memos *re* organisational and logistical arrangements, August - November 1949; Progress Report for September; 'Note on the Bingistan Barytes deposits' by Kent, J.F. Watson and H.R. Warman, 5pp typescript, ?November 1949.

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- B.231 Progress Reports for October and November 1949.
- B.232 Progress Reports for December 1949 and January 1950.
- B.233 Correspondence and papers *re* samples from Tang-i-Shahen fissure, January, July 1950.
- B.234 Correspondence and memos February 1950; Progress Report for February 1950.
- B.235 Progress Reports for March and April 1950.
- B.236 Miscellaneous material.
- B.237-B.242 'Bebahan-Kazerun Strat Columns'. Contents of Kent's folder so inscribed divided into six for ease of reference: stratigraphical sections, dated October 1949 - April 1950.
- B.243, B.244 'Bebahan-Kazerun Survey. Palaeontologists' Reports'. Contents of Kent's folder so inscribed divided into two for ease of reference.
- B.243 Reports by J.A. Douglas on fossils collected during the survey, June 1950 and January 1951.
- B.244 Preliminary palaeontological reports July - September 1950.
- B.245 'The Bingistan Barytes deposits Supplementary Note [to Report PEK 35]' by Kent, 2pp duplicated typescript + plates and figure, 11 July 1950. See B.230.

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- B.246-B.249 'Mamatain'. Contents of Kent's envelope so inscribed divided into four for ease of reference.
- B.246 Report PEK 36 'An examination of the Mamatain Limestones' by Kent, J.F. Watson and H.R. Warman, August 1950. Retained in original binder.
- B.247-B.249 Material found with preceding. 3 folders.
- B.247 Memos, notes and sections *re* Mamatain Limestone; humorous verse 'To Editor, H.K. [Haft Kel] News'.
- B.248 1:253,440 topographical maps of Kazerun, Basht and Haft Kel areas, 1940s; 1:253,440 geological maps of Kazerun and Beheban, 1920s.
- B.249 1inch: ½mile map of 'The lower Fars stage 3. Secondary Limestones of Mamatain', March 1949; Anglo-Iranian Oil Co. 'Panorama of Iran showing the oil operations' annotated by Kent with 1949-50 survey route; ms sketches 'Samples of Gach-Limestone transitions'; miscellaneous ms figures etc.
- B.250, B.251 Report PEK 37 'The Behbehan - Kazerun Survey 1949-50' by Kent, J.F. Watson, H.R. Warman and D.G.F. Bailey, c.September 1950. Retained in original binders.
- B.250 Part I.
- B.251 Part II.

Fars-Laristan Survey

- B.252-B.254 Series of three hardback pocket notebooks inscribed 'P. E. Kent Fars-Laristan' on fore edge and numbered on front cover.
- B.252 '1'. 'Book 1 Surmeh to Asalu'. Used from October 1950.

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- B.253 '2'. 'Book 2 Khiaru to Chiru'. Used from December 1950.
- B.254 '3'. 'Book 3 Kalat to Chah Kazimah'. Used from February 1951.
- B.255-B.257 'Kuh-i-Surmeh (Fars-Laristan Survey)'. Contents of Kent's folder so inscribed divided into three for ease of reference: material *re* Report PEK 39. The report itself was not found.
- B.255 Progress Reports for October and November 1949 and February 1950 (prior to Kent joining the Survey).
- B.256 Correspondence and memos 1950-52. Includes reports on fossils collected.
- B.257 Well logs and sections from Kuh-i-Surmeh; photographs; ms figures; ms notes.
- B.258-B.260 'Monthly repts 1950-51 Fars Laristan'. Contents of Kent's folder so inscribed divided into three for ease of reference.
- B.258 October, November, December 1950, January 1951.
- B.259 February, March, April 1951.
- B.260 Ms notes on work December 1950 - April 1951; correspondence and memos April, September - October 1951; typescript notes on Cenomanian Marls; maps and ms figures.
- B.261, B.262 'Fars-Laristan Stratig Sections'. Contents of Kent's folder so inscribed divided into two for ease of reference: stratigraphical sections dated October 1950 - April 1951.

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- B.263-B.269 'Pal Data & specimens'. Contents of Kent's folder so inscribed divided into seven for ease of reference: papers *re* samples sent for analysis.
- B.263, B.264 Macrofossils field data sheets, numbered 1- 60. 2 folders.
- B.265, B.266 Memos *re* data sheets and cans of fossil samples returned for examination, October 1950 - July 1951, with lists of samples. 2 folders.
- B.267, B.268 Reports by J.A. Douglas on macrofossils collected during the survey, 1951. 2 folders.
- B.269 Correspondence and memos January 1951-1952.
- B.270-B.277 Material *re* report PEK 40 'The Fars - Laristan Survey, 1950-51' by Kent, A. McGugan, H.R. Warman and E.K. Cullingham, c. September 1952.
- B.270, B.271 Contents of Kent's envelope divided into two for ease of reference: papers *re* report PEK 40.
- B.270 Memos 1951-52; letter to C.J. Stubblefield *re* Kalat Cambrian trilobites, 20 June 1952; 'Salt plugs' by Kent, 11pp typescript with ms correction; typescript notes on 'Gach-i-turushes on Kuh-i-Gavbut', 'Eocene landslip within the Bakhtiri conglomerates of Kuh-i-Safid (Janna)'.
- B.271 Sections and photographs for report PEK 40; etc.
- B.272 Typescript draft of text with ms correction and annotation.
- B.273, B.274 Final report. Retained in original binders.
- B.273 Part I.

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- B.274 Part II (incomplete). Some of the sections and photographs which accompanied Part II may be at B.271.
- B.275, B.276 Papers *re* the Report found loose at back of B.274.
- B.275 Chart of horizontal sections from the survey.
- B.276 Miscellaneous material. Includes draft 'Appendix A - The Knemiceras Beds', 4pp typescript + figure.
- B.277 'Fars Laristan Survey 1950-51. Appendix A'. Retained in original binder.

Salt Plugs

- B.278-B.283 'Salt Plugs'. Contents of Kent's folder so inscribed divided into six for ease of reference.
- B.278 Correspondence 1951, 1959, 1963-65. Includes correspondence *re* 'The origin and movement of Salt Domes in S.W. Persia' by Kent, presentation to Leicester University Geological Society, 1964. See also D.100.
- B.279 Correspondence 1966-69. Includes 'The temperature conditions of Salt Dome intrusions' by Kent, 2pp typescript Letter to *Nature, Lond.*, 1966, and correspondence with H.D. Hedberg *re* 'Fars Salt Plugs minor survey' (see B.280).
- B.280 Report on 'Fars Salt Plugs minor survey February 23rd - 28th, 1968', 8pp typescript + lists of specimens.
- B.281 Correspondence 1971, 1975-85, nd. Chiefly *re* 'The emergent Hormuz Salt Plugs of southern Iran' (*Bibliog.* 121, 1979, see D.44, D.45).

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- B.282 'Iran November 1969 - Revised list of PEK samples'; ms note by Kent on 'Piercement Salt Plugs of the Southern Gulf'; sketches of salt plugs by Kent.
- B.283 Maps, sections, etc.
- B.284, B.285 'Iran etc Salt Plugs. SP diagrams'. Contents of Kent's envelope so inscribed divided into two for ease of reference: miscellaneous maps and figures.
- B.286-B.290 'Salt Plugs Lit[erature] Other Countries'. Contents of Kent's folder so inscribed divided into five for ease of reference.
- B.286 Off-print 'Internal structure of the Grand Saline salt dome, Van Zandt County, Texas' by W.R. Muehlburger, University of Texas, 1959. Pasted into back of the notebook are Kent's ms notes on visit to Grand Saline and page of programme from American Association of Petroleum Geologists Conference, March 1959.
- B.287 'Emplacement of the Arctic Gypsum Diapirs' by Kent, 6pp typescript, 16 June 1960; 16pp typescript notes on 'Petrographical examination of Erratic rocks associated with Gypsum Diapirs from the NW Territories'; 'Evaporite Piercement structures in the northern Richardson mountains' by Kent and W.A.C. Russell, 11pp typescript + references (*Bibliog.* 46, 1961).
- B.288 Correspondence 1980-81.
- B.289, B.290 Miscellaneous material. 2 folders.

Exploration Advisory Group (EAG)

1965

- B.291 Note *re* recommendations of 1964 report; correspondence and papers *re* 1965 visit, 21 November - 6 December.

Research and surveys

B.292 Programme and ms notes.

B.293 'Recommendations of the Members Exploration Advisory Group December 1965'.

1967

B.294 Programme and ms notes of 1967 visit, 19 November - 4 December.

B.295 Hardback pocket notebook used from the front for notes on EAG visits to Iran 1967 and 1971 and from the back for notes on 1967 visit.

B.296 Draft 'Recommendations of Members Exploration Advisory Group December 1967'. The draft is annotated by Kent 'Unexpurgated draft. To be retained!'

1968

B.297 'Report of [Consortium] Committee on Reserves under the Chairmanship of Mr [M.M.] Pennell', 25 June.

1969

B.298 Correspondence *re* and draft report of EAG meeting, London 10-12 February, and 1969 visit.

B.299 Programme and ms notes of 1969 visit, 21 November - 4 December.

B.300 Report of EAG December 1969. Retained in original binding.

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1971

- B.301 Correspondence, papers, annotated programme and ms notes *re* 1971 visit, 1-15 March.
- B.302 Report of EAG March 1971. Retained in original binding.
- B.303 'Exploration Presentation to Members' Technical Representatives November 1971'.

1972

- B.304 Correspondence and papers *re* 1972 visit, 29 September - 13 October.
- B.305 'Summary of technical papers for presentation to Members Exploration Advisory Group in Teheran, October 1972'. Annotated by Kent.
- B.306 'Exploration Advisory Group Meeting October 1972 Field Excursion Notes'.
- B.307 Programme and ms notes of 1972 visit.
- B.308 Report of EAG October 1972. Retained in original binding.
- B.309 Correspondence arising, including correspondence *re* Kent's succession as Chairman, etc.

1973

- B.310 Correspondence *re* Chairmanship and 1973 visit, 30 November - 13 December.

Research and surveys

B.311 Programme and field excursion notes; ms notes of visit.

B.312 Report of EAG December 1973. Retained in original binding.

B.313 'Geological map of South-West Iran', 1:1,000,000.

1974

B.314 Correspondence, chiefly *re* structure of anticlinal cores.

B.315 Persian Gulf oil well summaries, August and September - October.

1975

B.316 Programme and ms notes of first 1975 visit, 3-19 January.

B.317, B.318 '1975 E.A.G. field trip maps and sections Dezful Embayment'. Contents of Kent's folder so inscribed divided into two for ease of reference.

B.317 Drafts by EAG members of sections of the January 1975 recommendations.

B.318 Geological maps of Dezful and Ahwaz, 1:250,000.

B.319 Report of EAG January 1975. Retained in original binding.

B.320 'Dalan prospect. Proposed Bangestan, Khami and Permian Test Well Proposal Summary', sent to Kent 20 February; notes by Kent for second 1975 EAG meeting, [3-18] October; brief correspondence.

B.321 Loose-leaf pocket notebook containing programme and ms notes of October meeting.

Research and surveys

B.322 Report of EAG October 1975. Retained in original binding.

1976

B.323 Report of EAG October 1976. Retained in original binding.

B.324 Correspondence November 1976. Includes 2pp typescript 'Appraisal of Iranian oil potential' by Kent.

1977

B.325 Letter *re* meeting of OSCO Geophysical Advisory Group, 3 May; exploration drilling results, August 1976 - September 1977; annotated programme of visit; etc.

B.326 Report of EAG October 1977. Retained in original binding.

1978

B.327 Correspondence; annotated programme of visit; attendance list for EAG de-brief meeting, 10 November.

B.328 Report of EAG October 1978. Retained in original binding.

B.329-B.339 OSCO Geological and Exploration Division reports and technical notes. See also B.350, B.351.

B.329-B.331 'The post-Asmari formations of South Iran' by G. Favre, report 1220, December 1974. 3 folders.

B.332, B.333 'The geothermal gradient map of S.W. Iran and adjacent areas and its applications' by G. Orbell, technical note 2/1976, April 1976. 2 folders.

Research and surveys

- B.334 'The Mesozic sequence in southwest Iran and adjacent areas' by A. Setudehnia, report 1248, August 1976.
- B.335, B.336 'Synsedimentary tectonics in the Bangestan of Kharg' by H. Bolz, report 1275, January 1978. 2 folders.
- B.337-B.339 'The geology of the Bandar Abbas hinterland, South Fars' by P. Verral, report 1286, August 1978. 3 folders.

General

- B.340-B.344 'Iran - General'. Contents of Kent's folder so inscribed divided into five for ease of reference: correspondence and papers 1964-75, nd.
- B.340 1964. Includes material *re* research on oil recovery techniques in Iran and 3pp typescript memo by Kent 'S.W. Iran - Reservoir data', 24 November.
- B.341 1965. Includes papers *re* crude oil from Kharg oil wells.
- B.342 1967-70.
- B.343 1971. Includes material *re* proposed research on the Zagros Crush Zone.
- B.344 1971-75 and nd.
- B.345 Softback pocket notebook inscribed on fore edge 'Iran 64'. Used from the front and from the back for notes on visit to Iran 1964. Paginated up to p.53.

Research and surveys

- B.346-B.353 Contents of Kent's envelope divided into eight for ease of reference: maps, stratigraphical columns and sections.
- B.346-B.348 Stratigraphical columns. 1960s. 3 folders.
- B.349 Seismic sections, c.1976.
- B.350, B.351 Figures for OSCO Exploration Division technical note 3/1977 on Kuh-e Darang area. 2 folders. See B.329-B.339.
- B.352, B.353 Miscellaneous. 2 folders.

EAST AFRICA

Kent was posted to East Africa very shortly after his return from Iran in 1951, initially to investigate a report that oil had been found in Kenya. No oil was found but Kent remained in East Africa principally surveying the geology of Tanganyika where the prospect of finding oil seemed better. He left Africa in 1955 but made several later visits. The final results of Kent's geological work in East Africa were only published in 1971 in *Bibliog.* 80.

Also includes a little material relating to oil prospects in northern Africa which Kent visited during his time in East Africa.

For material relating to Kent's work on the East African Archaeological Expedition of 1934-35 see A.53-A.102. For material relating to work arising from the Deep Sea Drilling Project for which Kent reviewed the results of Leg 25 drilling in the western Indian Ocean, see C.117-C.121.

- B.354 Softback pocket notebook inscribed on first page 'Kenya - Northern Frontier Dist. 1951 Uganda - Albert visit'. Used from the front for notes on sites 23 May - 7 July 1951, and notes on expenses, itineraries etc, October - December.
- B.355-B.357 Series of three hardback pocket notebooks used 1951, dated and identified by inscription on front cover.
- B.355 'Northern Kenya'. Used for notes and sketches 11-27 June.

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- B.356 'Coastal Tanganyika'. Used for notes and sketches 25 October - 22 November. At the entry for 26 October on the Tanga district are stapled later notes on Tanga, February 1953.
- B.357 'Mafia-Zanzibar' and on first page 'Voyage of the "Burgan" '. Used for notes and sketches 24 November - December. At entry for 7 December are pasted later notes on shot-point 39 in Zanzibar, 16 November 1954.
- B.358 Hardback pocket notebook inscribed on front cover 'Tanganyika flights Nairobi Uganda 1951'. Used to record observations made during flights 14-21 October 1951. At front are stapled later notes on flight to and visit at Dodoma, Tanganyika, June 1953.
- B.359 'E. Af. Seepages'. Contents of Kent's envelope so inscribed: correspondence and papers chiefly *re* sulphurous soil samples, 1952-53.
- B.360 Hardback pocket notebook inscribed on front cover 'Tunisia 1952'. Paginated (incomplete) 1-32 on left-hand pages. Used for notes and sketches 15-27 September 1952. Most pages not used.
- B.361, B.362 Report PEK 45 'A reconnaissance of Eastern Tunisia' by Kent, September 1952.
- B.361 21pp typescript + 1p appendix.
- B.362 Figures.
- B.363 Material found with preceding report. Includes 'Oil prospects of Algeria' by A.N. Thomas, 6pp typescript + figure, 15 October 1952.
- B.364 'Geology of the Wajir-Mandera district, North-East Kenya...by B.M. Ayers...With appendices on fossils collected in the area'. The appendices are by Kent although published anonymously. Retained in original binding. 1952.

Research and surveys

- B.365 Geological Survey of Tanganyika Report no. PEK/1 'Sections in the branch gorge at Olduvai' by Kent. Retained in original binding. c.1953.
- The report is based on work done while the East African Archaeological Expedition was at Olduvai during 1935.
- B.366-B.370 Series of five hardback pocket notebooks used 1953, numbered, dated and identified by inscription on front cover.
- B.366 '1. Mafia Bagamoyo [Tanganyika]'. Used for notes January - February.
- B.367 '2. Zanzibar Pemba'. Used for notes February - March.
- B.368 '3. Smaller Islands Lindi Uganda'. Used March and May.
- B.369 '4. Pemba Miscell'. Used October - December and for further notes on Mafia island September 1954.
- B.370 '5. Madagascar'. Used September - October 1953. Paginated 1-68 (incomplete).
- B.371 Report PEK 48 'A visit to western Madagascar' by Kent, September 1953. Retained in original binding.
- B.372-B.375 Series of four hardback pocket notebooks used 1954, dated and identified by inscription on front cover. Used for recording observations made during flights, and site notes and sketches.
- B.372 'Tanganyika...With Arusha - Nairobi flight 30.6.54'. Used June - August.
- B.373 'Kenya'. Used August - October.
- B.374 'British Somaliland October...Flight over Somalia'.

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- B.375 'Kilwa Mtwala [Tanganyika]'. Used October - November.
- B.376 'Somaliland'. Contents of Kent's folder so labelled: draft of Report PEK 54 'A brief visit to British Somaliland' by Kent, November 1954, retained in original binding; ms notes; printed material *re* oilfield at Dagah Shabell, British Somaliland 1958 and 1959.
- B.377 Memos and photograph *re* bitumen extracts from Karoo sands from Madagascar, 1955.
- B.378 Hardback notebook inscribed on front cover 'Tanganyika 1957'. Used for notes and sketches during visit October. Most pages not used.
- B.379 Duplicated typescript 'Comments' by Kent on: ' "Geology of the Western Matumbi Hills, Tanganyika" by J. Spence', 29 October 1957; ' "The sediments of coastal Kenya..." by R.E. Linton and R.G. Maclean', 4 November 1957; 'The stratigraphic sequence at Zanzibar', 24 March 1958.
- B.380 Technical note PEK 5 'Earth movements in inland East Africa' by Kent, 20 March 1958. Retained in original binding.
- B.381 Hardback pocket notebook inscribed on first page 'Libya Jan-Feb 1960'. Used for notes during visit 27 January - 20 February.
- B.382 Hardback notebook inscribed on fore edge 'Fr. N. Africa'. Used during visit June 1961. Most pages not used.
- B.383-B.388 'East Africa 1962'. Contents of Kent's envelope so inscribed divided into six for ease of reference.
- B.383 Proposed programme, 18 May 1961, and 8pp duplicated typescript list of 'General objectives'; 4pp typescript notes on 'Visit of Dr. P.E. Kent - 22nd May 1962' by R.E. Linton.

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- B.384 Material *re* 1961-65 East African drilling programme; ms notes etc.
- B.385 Maps of Pugo area and Pemba island.
- B.386 Maps of Tanganyika showing BP operations etc.
- B.387 Stratigraphical columns from East African bore-holes.
- B.388 'Part III' of draft on Tanzania by J.A. Hunt: figures sent for information, 30 September 1965.
- B.389-B.393 'Geophysical data book 1965'. Contents of Kent's folder so inscribed divided into five for ease of reference.
- B.389 'Geophysical data book for Tanganyika, including Mafia' by M.J. Laws and R.C. Sbresni, Mombasa, January 1965, 42pp duplicated typescript + appendices.
- B.390 Figures for preceding.
- B.391 'Geophysical data book for Zanzibar and Pemba' by M.J. Laws, Mombasa, January 1965, 13pp duplicated typescript + appendices.
- B.392 Figures for preceding.
- B.393 'Appendix "C" Southern Somalia' to Geophysical data book for Kenya (not found), sent 2 March 1965, 4pp duplicated typescript; annotated BP map of Somalia, March 1968, showing oil exploration concessions with ms notes on bore-holes.
- B.394 Softback pocket notebook inscribed on fore edge '1967 East Africa'. Most pages not used. A little loose material intercalated.

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- B.395 Letter from R. Walters to Kent, 4 August 1967, enclosing 'some of the photographs...taken on our flying visit to Kilifi and Matasade on July 22nd, together with quick tracings as an aid to memory'; ms sketches of Matasade and Dogogicha islands; ms notes.
- B.396 Ms notes on 'Tanzania AGIP Visit, 1970' and 'East Africa Geophys 18/10/70'; typescript note 'Northeast Africa: geology of the Afar triangle' by Kent, 2pp typescript, 9 January 1973.
- B.397 BP Exploration Development Co. Report 'Geology and oil prospects of the western Indian Ocean Region', by Kent, September 1973. Retained in original binding.
- B.398-B.407 Maps.
- B.398 1:4,000,000 geological map of East Africa, March 1949.

1:2,000,000 geological map of East Africa, 1952.
- B.399 1:2,000,000 topographical maps of Abyssinia, June 1943, and Kenya, 1933 and 1950.
- B.400 1:1,000,000 topographical map of Dar es Salaam, 1946. Annotated by Kent.

1:1,000,000 geological map of Tanganyika, March 1962.
- B.401 1:1,000,000 geological map of Mombasa - Nairobi, November 1942.

1:1,000,000 topographical map of Mombasa - Nairobi, 1946. Annotated by Kent.
- B.402 1:1,000,000 topographical maps of Marsabit (Kenya) and Uganda, 1915 and 1919. The area on both maps round Lake Rudolf has been coloured in with geological information and both are annotated by Kent.

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- B.403 1:1,000,000 aeromagnetic survey map of Kenya, May 1963.
- 1:1,000,000 map of Kenya, showing Bouguer gravity contours, basement depth contours and seismic features, nd.
- B.404 Miscellaneous geological maps of Kenya.
- B.405 BP maps of Mombasa.
- B.406, B.407 'Tanzania figures'. Contents of Kent's envelope so inscribed divided into two for ease of reference: maps and stratigraphical columns.

PAPUA NEW GUINEA

Kent was posted to Papua New Guinea in 1955, first as Deputy Chief Geologist, later Chief Geologist, with the Australasian Petroleum Company, a part-owned BP subsidiary. Kent was involved in searching for signs of oil in the rain forest and the highlands of New Guinea. This met with little success despite the promising geology of the area.

- B.408-B.412 Series of five spiral bound reporters notebooks inscribed with topics and dates on front cover.
- B.408 'Orie visit June 1955'. Used for notes 18-23 June, with map of area of survey pasted into notebook. Loose at front is copy of letter *re* arrangements for Kent's arrival and the Orie survey.
- B.409 'Port Moresby Misc. 1955 Bwata visit 1956'. Includes notes on Pio-Purari flight 6 July 1955 and ?Baimuru to Bwata survey.
- B.410 'Highlands visit 1956'. Used for notes 5-9 April, and for later notes on sites in England 1974.

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- B.411 'Misc. Recce flights 1957 1971'. Used for notes on flights November 1956 and January 1957, with map of area of later flight pasted into notebook, and for notes '1971 Highland Recce + [at back] Mananda with D.A.L. Jenkins 10+11 Nov'. Pasted to back cover of notebook is envelope containing two scaled squares used for calculating on a map distances covered by aircraft travelling at various speeds.
- B.412 'Melbourne visit'. Miscellaneous notes, nd.
- B.413-B.422 Australasian Petroleum Co. Reports.
- B.413-B.415 Report XG 'The stratigraphy of the Neogene rocks of Papua' by Kent and J.O. Zehnder, July 1956.
- B.413, B.414 32pp duplicated typescript + figures. 2 folders.
- B.415 Plates.
- B.416, B.417 Report XE Part II 'A review of the Mesozoic stratigraphy of Australian New Guinea' by F.K. Rickwood, August 1956.
- B.416 23pp duplicated typescript.
- B.417 Plates.
- B.418-B.420 Report LW 'Report on the Pio Purari Survey, 1955' by Kent and Rickwood, August 1956.
- B.418, B.419 46pp duplicated typescript + figures. 2 folders.
- B.420 Plates and photographs.

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- B.421 Report XH 'The stratigraphy of the older tertiary rocks (Eocene and Oligocene) of Papua' by Kent, April 1957. 21pp duplicated typescript + figures and plates. Retained in original binding.
- B.422 Report XK 'The pleistocene volcanoes of Papua' by Kent, 'Issued February 1958'. 14pp typescript + map.
- B.423 Hardback pocket notebook inscribed on first page 'Fiji 1956'. Used for notes and sketches 29 September - 6 October.
- B.424 'List of samples collected [by Kent in Fiji] Sept/October 1956'; 'Addendum to London Palaeontological Note no.171 on fifteen samples from the Fiji islands', 15 October 1964; map of Viti Levu.
- B.425 Hardback pocket notebook inscribed on first page 'Papuan Volcanoes etc...Puri 1957'. Used chiefly for sketches, some of which are pasted into the notebook.
- B.426 'Papua General maps'. Contents of Kent's folder so inscribed: list of samples from Pio-Purari survey; hand-drawn map; map of western Papua.
- B.427 'Summary of a geological history of Eastern New Guinea' by J.E. Thompson, 7pp duplicated typescript prepared for 'A.P.E.A. Conference, Sydney, March 1967' (see H.17). Annotated by Kent.

NORTH AMERICA

Kent was posted to Canada in 1957 as Adviser to the President of BP Exploration (Canada). In 1959 he was appointed as the first President of BP Exploration (Alaska). The material includes papers relating to BP policy in Alaska and northern Canada.

- B.428 Hardback notebook inscribed on first page '1. Athabasca (Mildred Lake) 2. Hay River 3. Spray Lake area'. Used for notes and sketches June and August 1958.

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- B.429 Softback pocket notebook inscribed on fore edge 'NWT Canada'. Used for notes on visit to survey party 16, July 1958 and 'Visit to Canadian Arctic' 21-24 July 1958. Paginated 5-34.
- B.430 Report on 'Visit to Mackenzie District, Northwest Territories, Canada July, 1958' by Kent. Retained in original binding.
- B.431 Softback pocket notebook inscribed on fore edge 'NWT Canada' and on first page 'June 1959 Aklavik Visit'. Used for notes and sketches c.20-26 June. Paginated 3-85.
- B.432 Softback pocket notebook inscribed on fore edge '1959 N. Canada 1969, 70', and on first page '1959 Visit to Monkman area 1969 Visit to Liard, Herschel Id, Inuvik and Ft Good Hope 1970 Arctic Islands visit 1971 Arctic islands reconnaissance incl. Barrow Dome + Isachsen [shot-point]'.
- B.433 Softback pocket notebook inscribed on first page 'Arctic visit Aug. 1959'. Used for notes on visits to Arctic islands 14-21 August. Paginated 1-95. At back is index of islands visited and pasted inside back cover is map of route taken.
- B.434 Softback pocket notebook inscribed on first page 'Alaska 1959 Reconnaissance flight, Susitna area 1964 Visit to Sadlerochit Mtns [at back] 1969 Visit to North Slope'.
- B.435 'Arctic Gypsum Plugs'. Contents of Kent's folder so labelled: chiefly correspondence *re* analysis of gypsum samples, and paper by Kent and W.A.C. Russell 'An evaporite piercement structure in the northern Richardson Mountains', delivered at 1st International Symposium on Arctic Geology, Calgary, 11-13 January 1960. Includes draft of paper, 5pp typescript + figures, *Bibliog.* 46, 1961 (see also D.99).
- B.436 Softback pocket notebook inscribed on fore edge 'Alaska 1960'. Used for notes on Alaska and flights over Canada June 1960.

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- B.437 'Alaska Yak[utat]'. Contents of Kent's envelope so inscribed: material *re* possible agreement with Colorado Oil and Gas *re* collaboration in Yakutat Development Contract, 1960, including papers for 10th meeting of Board of Directors of BP Exploration (Alaska) Inc., 20 October.
- B.438 'Gulf of Alaska'. Contents of Kent's envelope so inscribed: BP Exploration (Alaska) maps of southern Alaska, 1961, 1962.
- B.439 Contents of Kent's envelope: ms 'Notes on Kern [California] - St Helens Sept 1961'; ms itineraries: 'San Francisco & Calgary 1962', 'Los Angeles Houston New Orleans Mar/Ap 1963', 'Calgary & Edmonton Oct/Nov 1963', 'N-Y, Pittsbg, Toronto, Calgy May 1964', '1965 Trinidad and US', 'Visit to NY, St Louis, LA 1966', 'Visit to Calgary & Australia Feb/March 1967'.
- B.440 Miscellaneous ms notes on Canadian and US oil matters November 1963, July 1964, November 1965 and February 1967.
- B.441 'Alaska 1966 1968 1972'. Contents of Kent's envelope so inscribed: notes *re* BP policy May 1966, November 1968, May 1972 and nd.
- B.442 'International Symposium on the Devonian System. Guidebook for Canadian Cordillera Field Trip Sept. 1-3, 1967' by P.A. Ziegler, 81pp duplicated typescript.
- B.443 Flight notes for visit to Yukon and Northwest Territories 9-10 April 1969 by M.C. Pick, 12pp duplicated typescript + figures.
- B.444 Contents of Kent's envelope: ms notes on visit to Canada and Alaska 1969.
- B.445 'Alaska'. Contents of Kent's folder so labelled: material *re* Prudhoe Bay operations. Includes BP press-releases, September - October 1969; article from *World Petroleum* September 1969 *re* conditions at Prudhoe; 5pp typescript of presentation by BP to Geological Society on 'Alaskan Exploration and the development of the Prudhoe Bay Oilfield', December 1970.

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- B.446 January 1970 issue of *BP Shield* devoted to Alaska. Article by Kent 'Entry into Alaska' is at pp.5-9 (*Bibliog.* 75).
- B.447 'Canadian Minerals 1970 1971 1972'. Contents of Kent's envelope so inscribed: ms notes *re* activities of Canadian Minerals (?subsidiary of BP Minerals) chiefly uranium.
- B.448 'The status of Arctic Islands exploration' by Kent, 6pp typescript, 30 July 1971.
- 'Exploring Canada's Arctic Islands' by Kent, 7pp typescript, 3 August 1971.
- B.449 Contents of Kent's folder: material *re* graptolites from Twilight Creek, Bathurst Island, Canada, collected by Kent, 1971.
- B.450 'Canada 1971 etc'. Contents of Kent's envelope so inscribed: ms notes on Canadian oil matters various dates 1968-71.
- B.451 'Canada Jan 1972'. Contents of Kent's envelope so inscribed: ms notes on Canadian oil matters.
- B.452 Softback notebook inscribed on first page 'Canada 1975': ms notes during visit to Canada May 1972. Includes notes on briefing by BP Canada, University of Calgary Extension course and visit to Geological Survey of Canada.
- B.453 September 1975 issue of *BP Shield International* devoted to Alaska.
- B.454-B.456 'Arctic Islands - maps'. Contents of Kent's folder so inscribed divided into three for ease of reference.

Research and surveys

B.454 'Bathymetric chart of Arctic Ocean as of 1956 (approx.) compiled from Soviet sources'.

Canadian Southern Petroleum Ltd map of Arctic islands showing distribution of drilling concessions.

B.455, B.456 Geological Survey of Canada 1:506,880 maps of Arctic islands. 2 folders.

GULF STATES

Kuwait

B.457 'Kuwait Oil Company Limited Geological Summary: May 1961'. Annotated by Kent. Loose material found at end of report is at B.458.

B.458 Loose material found at end of B.457: letter from P.T. Cox, Managing Director BP Exploration, *re* exploration programme in Kuwait, 26 May 1961; ms notes; maps.

B.459, B.460 'Kuwait notes 1968 etc'. Contents of Kent's envelope so inscribed divided into two for ease of reference: chiefly material *re* visits to Kuwait, 1968, 1970

B.459 Ms notes on 'Geological History of Kuwait', February 1968; map of oil field development in Kuwait area, 1968; etc.

B.460 Programme for and ms notes on visit to Kuwait March 1970; 'Kuwait', 3pp typescript draft 8 June 1971; 'Deep structure of Burgan and Ahmadi' by Kent, 3pp typescript, 20 November 1972.

B.461-B.463 'Kuwait'. Contents of Kent's folder so inscribed divided into three for ease of reference.

B.461 Programme for and ms notes on visit to Kuwait January - February 1973, correspondence and memos arising.

Research and surveys

B.462, B.463

Material *re* visit to Kuwait, February 1976. 2 folders.

Kent visited Kuwait as a Consultant to Kuwait Oil Co. to advise on deep exploration of the Burgan dome.

Oman

B.464

Softback pocket notebook inscribed on first page 'Visit to Oman November 1970'. Used for notes and sketches during visit.

B.465-B.467

'Oman'. Contents of Kent's folder so inscribed divided into three for ease of reference.

B.465

Programme for visit to Oman, November 1970; correspondence 1970, 1972, 1977, nd.

B.466

List of Kent's samples from Oman; ms sketches and maps; 'Oman Mountain Geology - Comments by K.W. Glennie...on some aspects raised by Dr Kent', 4 February 1971.

B.467

Miscellaneous background information. Includes 'Low-grade metamorphic tuffs, rhyolites, porphyrites, and marbles from Qarn Sahma Salt Dome, Oman [collected] By F.J. Fitch', 5 September 1955.

B.468

BP report 'Structure of Oman' by Kent, February 1971. Retained in original binding.

B.469

Report 'A reconnaissance of salt plugs in Oman' by Kent, November 1972. Retained in original binding.

Research and surveys

OTHER AREAS AND MISCELLANEOUS

This material is principally brief ms notes from filofax style notebooks on areas visited for a few days, or in some cases just flown over. Arranged in a chronological sequence.

- B.470 University College Nottingham hardback notebook used from the front for miscellaneous notes c.1940s, and from the back for records of distribution of off-prints on British and African geology from 1941 (*Bibliog.* 10) to 1958 (*Bibliog.* 43). Pages at front have been cut from the notebook.
- Much loose intercalated material dating from 1937 to 1958.
- B.471, B.472 Hardback notebooks used for notes on visit to Australia and New Zealand 1962.
- B.471 New Zealand, February. A little loose material at back of notebook.
- B.472 Australia, February-March. At back is draft by Kent on 'Papua: Visit of Prof S.W. Carey + G.A.V. Stanley to the Purari area'.
- B.473 Contents of 'Filofax'-style loose-leaf pocket notebook: ms notes 1962. Arranged alphabetically from 'Alaska' to 'UK'. The entries are in diary form and principally cover the period April - August.
- Ms notes on Colombia, 8 April 1963.
- B.474 Ms notes during visit to Trinidad 1965.
- Ms notes 1968. Headings include 'Berlin' and 'Germany - Misc'.
- B.475 Softback pocket notebook inscribed on fore edge 'Italy Bulgaria'. Used for notes and sketches during visits to Italy October 1968 and September 1969, and Bulgaria September 1971.

Research and surveys

- B.476 Softback pocket notebook inscribed on fore edge 'S. Germany France'. Used for notes and sketches during visits to Germany September 1970, and France 17-20 April 1972.
- B.477 'Port Moresby - Melbourne - Perth 1971'. Contents of Kent's envelope so inscribed: ms notes.
- B.478 Ms notes during visit flight over East Asia, 21 July 1971. Headings include: 'Thailand', 'Burmah', 'India', 'W. Pakistan/Afghanistan'.
- B.479 'Filofax'-style loose-leaf pocket notebook containing notes during visits c.1972-73. Headings include: 'Arctic Inst', 'BOC Perth', 'BP New Zealand' etc. At back is pocket containing miscellaneous memorabilia.
- B.480 Contents of 'Filofax'-style loose-leaf pocket notebook: ms notes 1973. Includes notes on visit to Iran December, Nature Conservancy meeting, 12 September and Natural Environment Research Council business.
- B.481 Ms and typescript notes from visit to Thailand and Far East, March 1973.
- B.482 Stratigraphical columns from Hudbay Oil (Australia) Ltd, 1981.
- B.483 Softback pocket notebook inscribed on fore edge 'North Atlantic'. Principally used for notes on symposium on the International Programme of Ocean Drilling, Geological Society, May 1981. Most pages not used.
- B.484 Softback pocket notebook inscribed on front cover 'Greece'. Used for notes and sketches, nd. Most pages not used.
- B.485 Miscellaneous undated ms notes.

Research and surveys

ENERGY ISSUES

General

- B.486-B.489 'Energy and Reserves'. Contents of Kent's envelope so inscribed divided into four for ease of reference: press-cuttings, photocopied information etc *re* energy reserves 1972-74.
- B.486 1972. Typescript drafts of Kent's comments on 'The Limits to Growth' report of the Club of Rome; incomplete copy of *Times Higher Educational Supplement*, 31 March, featuring 'The Limits to Growth'. Kent's comments are on p.11.
- B.487 1973(1). Extract from Hansard, House of Lords debate on energy policy and world supplies, 28 February.
- B.488 1973(2). Includes report from *Nature* on Royal Society meeting on Energy in the 1980s organised by Kent. See H.69.
- B.489 1974.
- B.490, B.491 'Energy'. Contents of Kent's envelope so inscribed divided into two for ease of reference: miscellaneous information on energy reserves 1977-80.
- B.490 1977. Text of speech by Tom King MP, Opposition spokesman on energy, 5 November. Annotated by Kent 'mostly quite sensible...'
- B.491 1977-80.

Research and surveys

Coal

- B.492-B.495 'Underground Coal Gasification + N.C.B. [National Coal Board] general'. Contents of Kent's folder so labelled divided into four for ease of reference.
- B.492 'Underground Gasification of Coal' by Kent, 5pp typescript, 1973, sent to NCB Mining Department recommending NCB/BP collaboration, November 1973, with brief correspondence arising; press-cuttings.
- B.493 'Coal reserves and resources, with particular reference to those in Britain' by A.M. Clarke, Chief Geologist of NCB, 23pp duplicated typescript draft, 1977.
- B.494 'A note on the new concept of national reserves...' by A.M. Clarke, 32p duplicated typescript + summary etc, sent to Kent 15 May 1981 with covering letter chiefly *re* the Flowers Commission on Energy and the Environment.
- B.495 Article on gasification from the *New Scientist*, 18 February 1982; 'Economically recoverable coal reserves' by A.M. Clarke, 9pp duplicated typescript, November 1983, with covering letter to R.J. Price *re* conclusions; Letters to *The Times* by Sir Kingsley Dunham ('Keeping coal for the future') and Kent ('Conserving coal stocks') 22 June and 5 July 1984. See also D.97.
- B.496-B.498 Correspondence and papers *re* NCB proposal to develop Vale of Belvoir coalfield 1976-82.
- B.496 Correspondence *re* NCB proposals 1976-78.
- B.497 Ms notes on NCB investigations of sites 1974; press-cuttings 1976 and 1982.
- B.498 Stratigraphical columns of shafts in Vale of Belvoir; maps.
- B.499, B.500 'Coal reports'. Contents of Kent's envelope so inscribed divided into two for ease of reference. Papers *re* the Coal Study Paper of the Flowers Commission.

Research and surveys

- B.499 'Coal reports 1979-1980': copies of submissions to the Commission.
- B.500 Chart of 'Measuring performance in the management of national coal resources' drawn by A.M. Clarke; letter from Kent to P.T. Warren, Deputy Executive Secretary of Royal Society, *re* Royal Society's *ad hoc* group on the coal study paper, January 1979.

Oil shales

In September 1973 Kent wrote to the Institute of Geological Sciences suggesting there was 'a strong case for assessing the available reserves [of oil shales] in U.K. to enable the Government to review policy on this long-term hydrocarbon reserve'. The IGS began a survey of UK oil shales in conjunction with the Department of Energy. Its report was released in 1981.

- B.501 Correspondence *re* possible IGS investigation of oil shales 1973. Also includes photocopy of minutes of informal meeting on Kimmeridge shale at the Ministry of Supply, London, 6 October 1947.
- B.502 Correspondence and papers *re* oil shales 1974-75, 1981. Includes typescript notes by Kent 'UK oil shale investigation', 2pp and 'UK oil shales prospects: Yorkshire, Lincolnshire, and Norfolk: Kimmeridgian shales', 4pp, with extensive ms correction.
- B.503 IGS reports on oil shales in England and Scotland sent to Kent for information

Other energy resources

- B.504 Press-cuttings on nuclear energy, 1974, 1977-79; 'Social responsibility and the Atom' by Kent, 2pp typescript draft, 10 March 1978, responding to British Council of Churches decision to oppose reprocessing at Windscale.
- B.505 'Geothermal'. Contents of Kent's envelope so inscribed: proof copy of 'Geothermal energy. Review of *Geothermal energy - Resources, production, stimulation...*' by Kent (*Bibliog.* 96, 1975); material *re* Italian geothermal energy development.

SECTION C DEEP SEA DRILLING PROJECT

C.1-C.121

The Deep Sea Drilling Project (DSDP) began in August 1968 as an 18 month project drilling off the eastern coast of Florida. The success of this first phase led to 30 and 36 month extensions and widening of the geographical scope. During the period 1968-75 the Project concentrated on making an extensive reconnaissance of the sedimentology of the ocean floor.

The Project had been financed by the US National Science Foundation and operated by Scripps Institution of Oceanography, for a consortium of universities called the Joint Oceanographic Institutions for Deep Earth Sampling (JOIDES). In 1973 with the end of the reconnaissance drilling in sight it was proposed the DSDP be internationalised and in the autumn of 1975 the UK, France, West Germany, the USSR and Japan joined the Project in the International Phase of Ocean Drilling (IPOD). The lead agency in the UK was the Natural Environment Research Council, of which Kent was Chairman. The IPOD was to drill fewer boreholes but to greater depths than previously feasible.

The IPOD ended in November 1983 after 15 years when its drilling ship the D/V *Glomar Challenger* required an overhaul. A successor 10 year programme was put forward by JOIDES, the Advanced Ocean Drilling Project (AODP, later just ODP). The UK was involved in the planning stage of AODP and, after some difficulty raising the requisite funds, joined the Project in December 1985.

The DSDP was considered to be a highly successful enterprise. Among its practical results was the discovery of oil in the Gulf of Mexico at a depth of 12,000 feet, and its findings have been used to support the theory of continental drift. In a letter of 31 January 1984 (C.47) J.C. Bowman wrote to Kent describing the project as 'remarkably successful in exploring the geology of the ocean floor, both in terms of the basic knowledge gained and its application in other fields such as mineral and hydrocarbon exploration'.

In addition to his service on the Executive Committee of JOIDES, 1975-81, and on the UK IPOD Co-ordinating Committee, Kent played an active part in the research. He reviewed the results of Leg 25 of the DSDP, which surveyed the western Indian Ocean, particularly the area around Madagascar and contributed a chapter to *Initial Reports of the Deep Sea Drilling Project* (Bibliog. 91, 1974).

Deep Sea Drilling Project

The material is presented as follows:

C.1-C.5	ESTABLISHMENT OF IPOD
C.6-C.56	JOIDES EXECUTIVE COMMITTEE
C.57-C.82	UK IPOD CO-ORDINATING COMMITTEE
C.83-C.116	LEG REPORTS, SITE SUMMARIES ETC
C.117-C.121	LEG 25

Deep Sea Drilling Project

ESTABLISHMENT OF IPOD

Kent was very keen that the UK should participate in IPOD. His advice was sought by the JOIDES Planning Committee Working Group on Oceanic Margins while preparing its proposal for IPOD to drill in continental margins to test the plate tectonics theory.

- C.1 'Global Ocean Research'. Report of a joint working party on the scientific aspects of international ocean research, 1 June 1969.
- C.2-C.4 Papers *re* JOIDES Planning Committee Working Group on Oceanic Margins, 1973.
- C.2 Invitation to contribute, 16 March, with note on 'Proposed research programs of IPOD'; copy of Kent's contribution, 2pp typescript, 3 April.
- C.3 Working Group papers sent to contributors, 23 April.
- C.4 'Draft Scientific Narrative for an International Program of Ocean Drilling', sent to Kent 20 July. Retained in original binding.
- C.5 'Deep Sea Drilling Project' by Kent, 2pp typescript note sent to W. Reed, Advisory Board for the Research Councils, setting out the technological case for UK involvement in IPOD, 19 April 1973; letter *re* IPOD from G.V. Wood, 17 May 1973; background information.

JOIDES EXECUTIVE COMMITTEE

Kent was UK delegate on the JOIDES Executive Committee 1975-81. He was succeeded by J.C. Bowman.

Correspondence and papers principally *re* meetings of Executive Committee 1978-84. Also includes papers of JOIDES Planning Committee, Panels and Working Groups, and general documents *re* DSDP activities. Much of the
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Deep Sea Drilling Project

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material is concerned with proposals and planning *re* the projected AODP.

C.6	1978 June (1)	C.32	1981 December (1)
C.7	1978 June (2)	C.33	1981 December (2)
C.8	1978 December	C.34	1982 April
C.9	1979 January	C.35	1982 May
C.10	1979 April	C.36	1982 August
C.11	1979 May	C.37	1982 September (1)
C.12	1979 July	C.38	1982 September (2)
C.13	1979 August (1)	C.39	1982 September-November
C.14	1979 August (2)	C.40	1983 January, April
C.15	1979 October	C.41	1983 January
C.16	1979 November	C.42	1983 June
C.17	1979 December	C.43	1983 July
C.18	1980 February	C.44	1983 August, September
C.19	1980 March (1)	C.45	1983 September
C.20	1980 March (2)	C.46	1983 November
C.21	1980 July	C.47	1984 January
C.22	1980 August	C.48	1984 February-March
C.23	1980 September, October	C.49	1984 March-April
C.24	1980 November (1)	C.50	1984 June (1)
C.25	1980 November (2)	C.51	1984 June (2)
C.26	1981 March, April	C.52	1984 June-July
C.27	1981 June	C.53	1984 September (1)
C.28	1981 August (1)	C.54	1984 September (2)
C.29	1981 August (2)	C.55	1984 October
C.30	1981 November (1)	C.56	1985, nd
C.31	1981 November (2)		

Deep Sea Drilling Project

UK IPOD CO-ORDINATING COMMITTEE

The terms of reference of this Committee were defined in a paper presented to its seventh meeting on 2 December 1983 (C.69) as to coordinate UK policy on the IPOD programme and the JOIDES planning structure, to ensure adequate consultation between scientific and technological interests and between academic, industrial and government organisations participating in IPOD, to secure a proper balance between scientific and technological interests in IPOD, to appoint, or nominate, and brief delegates to JOIDES Committees, and to appoint such sub-Committees as are necessary and to receive reports from them. Kent was Chairman of the Committee for the period 1975-82, being succeeded by M.G. Audley-Charles. He served thereafter as Royal Society representative.

Papers *re* meetings of Co-ordinating Committee from 1978, including many papers from JOIDES Committees and Panels circulated to the Committee.

The papers 1984-85 chiefly relate to British participation (or non-participation) in the AODP. It includes a paper by Kent on 'Deep Sea Drilling Results - Industrial Applications', presented to a meeting held to discuss UK participation in the ODP on 2 March 1984 (C.70).

C.57	1978-79	C.70	1984 March (1)
C.58	1980 July (1)	C.71	1984 March (2)
C.59	1980 July (2)	C.72	1984 March (3)
C.60	1980 July (3)	C.73	1984 March (4)
C.61	1980 August	C.74	1984 March-August
C.62	1980 November	C.75	1984 November-December
C.63	1981 February, May	C.76	1985
C.64	1981 November	C.77	1986 January
C.65	1982 April, June	C.78	1986 February
C.66	1982 November	C.79	1986 March-April
C.67	1983 February, June	C.80	1986 March
C.68	1983 December (1)	C.81	1986 May, June
C.69	1983 December (2)		

Deep Sea Drilling Project

LEG REPORTS, SITE SUMMARIES ETC

Papers reporting on progress of DSDP investigations carried out from the drill-ships *D/V Glomar Challenger* 1970-83 and the *JOIDES Resolution* 1985-86.

The material is presented in chronological order 1970-86. It comprises scientific summaries and operation resums, press-releases, and site summaries of Legs 13-110 (not a complete sequence) of the DSDP sent to the JOIDES Executive and Planning Committees and to the UK IPOD Co-ordinating Committee.

- C.83 Legs 13 (Mediterranean Sea, 1970), 15 (Caribbean Sea, 1970-71), 16 and 17 (Pacific Ocean, 1971).
- C.84 Legs 19 (northern Pacific Ocean and Bering Sea, 1971), 20 (Pacific Ocean, 1971), 21 (Coral Sea and Tasman Sea, 1971-72).
- C.85 Legs 22, 1972 (Indian Ocean, 1972), 23 (Arabian Sea and Red Sea, 1972).
- C.86 Legs 24, 26 (Indian Ocean, 1972).
For Leg 25 see C.117-C.121.
- C.87 Legs 27 (eastern Indian Ocean, 1972), 28 (Antarctic, 1972-73).
- C.88 Leg 48 (northern Atlantic Ocean, 1976).
- C.89 Leg 69 (Caribbean Sea, 1979).
- C.90 Legs 70 (southern Pacific Ocean, 1979), 71 (southern Atlantic Ocean, 1980).
- C.91 Legs 72 (northern Atlantic Ocean, 1980), 73 (southern Atlantic Ocean, 1980).

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- C.92 Legs 74, 75 (southern Atlantic Ocean, 1980).
- C.93 Legs 76 (northern Atlantic Ocean, 1980), 77 (Gulf of Mexico, 1980-81), 78A (Caribbean Sea, 1981).
- C.94 Legs 79, 81 (northern Atlantic Ocean, 1981).
- C.95 Legs 82 (northern Atlantic Ocean, 1981), 83 (eastern Pacific Ocean, 1981-82).
- C.96 Leg 84 (eastern Pacific Ocean, 1982).
- C.97 Leg 85 (northern Pacific Ocean, 1982).
- C.98 Legs 86 (northern Pacific Ocean, 1982), 87 (Sea of Japan, 1982), 88 (northern Pacific Ocean).
- C.99 Leg 89 (western Pacific Ocean, 1982).
- C.100 Leg 90 (western Pacific Ocean, 1982-83).
- C.101 Leg 91 (southern Pacific Ocean, 1983).
- C.102 Leg 92 (Pacific Ocean, 1983).
- C.103 Leg 93 (northern Atlantic Ocean, 1983).
- C.104 Leg 94 (northern Atlantic Ocean, 1983).

Deep Sea Drilling Project

- C.105 Leg 95 (northern Atlantic Ocean, 1983).
- C.106 Leg 96 (northern Atlantic Ocean, 1983).
- C.107 Leg 101 (Gulf of Mexico, 1985).
- C.108 Legs 103 (northern Atlantic Ocean, 1985), 104 (Norwegian Sea, 1985).
- C.109 Leg 105 (Baffin Bay and Labrador Sea, 1985).
- C.110 Leg 106 (Atlantic Ocean, 1985).
- C.111, C.112 Leg 107 (Tyrrhenian Sea, 1985-86). 2 folders.
- C.113, C.114 Leg 108 (Atlantic Ocean, 1986). 2 folders.
- C.115 Leg 109 (Atlantic Ocean, 1986).
- C.116 Leg 110 (Caribbean Sea, 1986).

LEG 25

Leg 25 of the DSDP surveyed the western Indian Ocean, particularly the area around Madagascar. Kent was asked by JOIDES to review the results and contribute a chapter on 'Leg 25 results in relation to East African coastal stratigraphy' to volume 25 of *Initial Reports of the Deep Sea Drilling Project* (*Bibliog.* 91, 1974).

- C.117 Correspondence *re* Leg 25 and Kent's contribution, January - May 1973.

Deep Sea Drilling Project

- C.118 Correspondence *re* Leg 25 and Kent's chapter, June 1973 - January 1974.
- C.119 Draft of Kent's chapter, 15pp typescript + figures, with ms correction.
- C.120, C.121 'Hole Summaries': summary of scientific results of Leg 25 in two volumes. Retained in original binding.
- C.120 'Book 1'.
- C.121 'Book 2'.

SECTION D

PUBLICATIONS AND LECTURES

D.1-D.135

D.1-D.97 PUBLICATIONS

D.1-D.80 Drafts

D.81-D.93 Editorial correspondence

D.94-D.97 Letters to *The Times*

D.98-D.133 LECTURES

D.134 BROADCAST

D.135 REPRINTS

Publications and lectures

PUBLICATIONS

Drafts

A chronological sequence of material relating to publications, or to the intention to publish. Where applicable reference has been made to the Bibliography in the Royal Society memoir of Kent (A.1) in the form *Bibliog...*

- D.1 'Intra Jurassic movements in North Northamptonshire'. Dated '10/36' but not listed in *Bibliog.*

3pp typescript.

- D.2 'On the Serengeti plains of Tanganyika'. Not listed in *Bibliog.*, latest bibliographical reference 1936.

This is an account of Kent's journey from Kenya to the Serengeti with the 1934-35 East African Archaeological Expedition (see A.53-A.102).

9pp typescript with ms corrections and additions. It is drafted on the verso of typescript notes of the geology of sites visited by the expedition.

- D.3 'The lower Lias of South Nottinghamshire', *Bibliog.* 2, 1937.

Letter only.

'A borehole at Foston (Lincolnshire)', *Bibliog.* 4, 1938.

2pp ms.

- D.4 'Note on a borehole at Kettleby, near Brigg', *Bibliog.* 8, 1939.

3pp typescript.

'Note on faulting south east of Nottingham'. Dated 27 November 1939 but not listed in *Bibliog.*

3pp typescript + figure.

Publications and lectures

- D.5 'Note on the age of the uppermost Kimmeridge Clay of north Lincolnshire', *Bibliog.* 9, 1940.

3pp typescript.
- 'A short outline of the stratigraphy of the Lincolnshire Limestone', *Bibliog.* 11, 1941.

8pp typescript.
- D.6 'The Pleistocene beds of Kanam and Kanjera, Kavirondo, Kenya'. *Bibliog.* 14, 1942.

19pp typescript + figures.
- D.7 'The country round the Kavirondo Gulf of Victoria Nyanza'. *Bibliog.* 15, 1942.

18pp typescript + references and ms list of plates; 16pp typescript ?earlier draft 'Physiographical features of the Kavirondo Gulf of Lake Victoria, Kenya'.
- D.8 'Pleistocene climates in Kenya and Abyssinia', *Bibliog.* 16, 1942.

5pp typescript, with covering letter from Kent to his Commanding Officer at RAF Medmenham, 19 May 1942, requesting permission for its publication.
- D.9 'Upper Rhaetic beds in North Lincolnshire', *Bibliog.* 17, 1943.

2pp typescript.
- Book review of *South African Scenery. A text book of geomorphology* by L.C. King (Oliver & Boyd 1942), by Kent, 1943.

3pp typescript.
- D.10 'The age and tectonic relationships of East African volcanic rocks', *Bibliog.* 18, 1944.

13pp typescript + table and figure.

Publications and lectures

- D.11 'Glacially transported Inferior Oolite at Hougham', *Bibliog.* 21, 1944.
1p typescript.

'Tangential and vertical forces in the Earth's crust'. Dated 14 August 1946 but not listed in *Bibliog.* Review of the geophysical theories of P. Fourmarier.
2pp typescript.
- D.12 'The Carr Lane borehole, Hibaldstow', *Bibliog.* 28, 1948.
3pp duplicated typescript + figure.
- D.13 'A structure contour map of the surface of the buried pre-Permian rocks of England and Wales', *Bibliog.* 29, 1949.

Draft summary; 3 typescript pages of the draft with ms corrections; comments by N.L. Falcon and L. Richardson 1947.
- D.14 'Shallow borings in the Jurassic rocks near Hibaldstow, North Lincolnshire', *Bibliog.* 35, 1953.
4pp typescript with ms correction + figure.
- D.15 'Jurassic and Cretaceous rocks of the Bagamoyo district'. Not listed in *Bibliog.*, latest reference 1954.
6pp typescript + diary of traverses, lists of samples and palaeontological reports.
- D.16-D.18 'The structural history of South Nottinghamshire'. Dated March 1955 but not published.

Bears typescript note 'Draft of paper, written 1951 revised 1955, intended for eventual publication' and ms annotation 'Copied to NCB January 1975'.
- D.16 11pp typescript + plate.
- D.17 Figures.

Publications and lectures

- D.18 '1st Draft', 8pp typescript + ms list of figures.
- D.19 'A Kimmeridge sandstone in North Lincolnshire' (with R. Casey), *Bibliog.* 48, 1963.
13pp typescript + figure, with covering letters; ?earlier draft, 7pp typescript.
- D.20 'The basal Lias near Long Bennington'. Dated 18 June 1964 and intended for publication in *Transactions of the Lincolnshire Naturalists' Union* but not listed in *Bibliog.*
3pp typescript; letter to Kent from editor, 1 December 1964.
- D.21, D.22 'The transport mechanism in catastrophic rock falls', *Bibliog.* 51, 1966.
- D.21 9pp typescript + references; 7pp typescript earlier draft.
- D.22 Brief editorial correspondence; background information on landslides.
- D.23, D.24 'A review of the correlation of the Lincolnshire Limestone', *Bibliog.* 56, 1966.
- D.23 'Final draft' 16pp typescript + references.
- D.24 Correspondence with L. Richardson and P.C. Sylvester-Bradley *re* the paper, 1966; 'Third draft', 10pp typescript.
- D.25 Book review of C.A. Burk, *Geology of the Alaska peninsula - island arc and continental margin*, (with A.P. Terris). This review was submitted to the *Geological Magazine* 2 January 1967 but not listed in *Bibliog.*
3pp typescript; request to review.

Book review of E.G. Poole *et al*, *Geology of the country around Nantwich and Whitchurch*. *Bibliog.* 58, 1967. This review was submitted to the *Geological Magazine* 20 February 1967.
2pp typescript; brief editorial correspondence and correspondence arising.

Publications and lectures

- D.26 'Sections through the Great Oolite series near Spital'. Dated 18 May 1967 and intended for publication in *Transactions of the Lincolnshire Naturalists' Union* but replaced by 'Fossiliferous Dogger in North Lincolnshire', *Bibliog.* 68, 1968 (see D.31).

1p typescript + references; covering letter.

'A contour map of the pre-Carboniferous surface in the North-East Midlands', *Bibliog.* 64, 1967.

'1st Draft', 5pp typescript with ms corrections + 'Tentative contour map...'.

D.27-D.30 'The buried floor of eastern England', *Bibliog.* 66, 1968.

D.27 12pp typescript + references; 3pp appendix 'The Lower Carboniferous at Grace Dieu, Leicestershire'.

D.28 'First draft' of 'The buried floor...' dated 2 January 1962', 8p typescript with extensive ms correction; 4pp ms draft of appendix.

D.29, D.30 Miscellaneous figures found with preceding. 2 folders.

D.31 'The Jurassic-Cretaceous junction at Elsham' (with F.C. Dilley), *Bibliog.* 67, 1968.

Letter covering galley proofs (not found).

'Fossiliferous Dogger in North Lincolnshire', *Bibliog.* 68, 1968.
2pp typescript; editorial correspondence.

'Dating of the North Atlantic opening'. Dated 8 July 1969 and probably intended for publication in *Quarterly Journal of the Geological Society* but not listed in *Bibliog.*

2pp typescript.

Publications and lectures

- D.32, D.33 'The salt plugs of the Persian Gulf Region', *Bibliog.* 77, 1970.

This was a revised and extended version of his Bennett lecture to Leicester University, January 1970 (see D.111).
- D.32 32pp typescript + references.
- D.33 Correspondence with P.C. Sylvester-Bradley, including his Preface to Kent's paper.
- D.34 'Exploring Canada's Arctic islands'. Dated 3 August 1971. Not listed in *Bibliog.* but annotated 'BP Magazine' and possibly early draft of *Bibliog.* 79, 1971.

7pp typescript.
- D.35 'The Mesozoic history of the east coast of Africa', *Bibliog.* 81, 1972.

4pp typescript; miscellaneous figures.
- D.36 'The Lias at Old Dalby, Leicestershire', *Bibliog.* 88, 1973.

5pp typescript + references and captions for figures; background information including note by Kent 'Temporary exposures near Old Dalby, Leicestershire' dated 27 May 1965.
- D.37 'The world's future oil reserves - the problem of discovery'. Dated 1973. Not listed in *Bibliog.* but intended for publication in 'BP Shield'.

6pp typescript.
- D.38 'Structural history', *Bibliog.* 90, 1974. This was chapter 2 of D.H. Rayner and J.E. Hemingway (eds), *The geology and mineral resources of Yorkshire*.

Comments on Kent's draft from Rayner; references; miscellaneous figures.

Publications and lectures

- D.39 'The contribution of industry to knowledge of ocean margins', *Bibliog.* 94, 1974.
- 19pp typescript proof + references and captions for figures; brief editorial correspondence.
- D.40 'Continental margin of East Africa - region of vertical movements', *Bibliog.* 95, 1974.
- Editorial correspondence only.
- 'Middle Jurassic nomenclature in eastern England: the "Upper Estuarine beds" ', written for *Mercian Geologist* but annotated 'Not submitted or used', latest bibliographical reference 1975.
- 2pp typescript + references.
- D.41 'The Madagascar controversy still lives' (with D.H. Tarling), *Bibliog.* 104, 1976.
- 4pp typescript + references and figures (titled 'Madagascar controversy still very much alive'); letter from co-author; ms notes; miscellaneous background information.
- D.42 'Hydrocarbons in Cleveland - an early proposal by P.F. Kendall', *Bibliog.* 108, 1976.
- 6pp typescript; proof with ms corrections; draft of letter to editor *re* correction of mistakes in Kendall's original note reproduced in this paper.
- D.43 Request to Kent to write introduction for J. Brooks' book *Carbonisation and coalification of sedimentary organic matter*, with brief correspondence arising. 1976-78.
- 'The structure of Mesozoic basins in southern England'. Drafted as Letter to Geological Magazine, April 1977, but not listed in *Bibliog.*
- 1p typescript; earlier draft sent to N.L. Falcon for comment.

Publications and lectures

- D.44, D.45 'The emergent Hormuz salt plugs of southern Iran', *Bibliog.* 121, 1979. See also B.281.
- D.44 Ms drafts of sections of the paper.
- D.45 Brief correspondence; photographs for plates.
- D.46 'Tectonics of the northwest European continental shelf', *Bibliog.* 122, 1980.
8pp typescript.
- D.47-D.60 *Eastern England from the Tees to the Wash*, *Bibliog.* 123, 1980.
- D.47-D.50 Final draft, 129pp typescript + preface, tables etc. 4 folders.
- D.51-D.53 Typescript chapters of '2nd Draft'. 3 folders.
- D.54-D.56 Correspondence with Institute of Geological Sciences, contributors and others, 1973-77, 1981.
- D.54 1973-75 D.56 1977, 1981
D.55 1976
- D.57 Miscellaneous figures, tables etc.
- D.58-D.60 Photographs. Some used in the volume. 3 folders.
- D.61 *Minerals from the Marine Environment*, *Bibliog.* 125, 1980.
Editorial correspondence; reviews; miscellaneous ms notes.

Publications and lectures

- D.62 'Subsidence and uplift in East Yorkshire and Lincolnshire: a double inversion', *Bibliog.* 129, 1980.
- 'Penultimate' draft entitled 'Epeirogenic subsidence and inversion in East Yorkshire and Lincolnshire', 11pp typescript with extensive ms correction and annotation; editorial correspondence.
- D.63, D.64 'The structural and tectonic environment of Permian and Mesozoic igneous rocks', *Bibliog.* 133, 1982.
- D.63 'Final copy', 13pp typescript + reference; 'Draft II', 11pp typescript with extensive ms correction.
- D.64 Editorial correspondence 1976-82.
- D.65, D.66 'The Somali ocean basin and the continental shelf of East Africa', *Bibliog.* 134, 1982.
- D.65 'Final Draft', 14pp typescript with ms corrections.
- D.66 Editorial correspondence 1977-82.
- D.67-D.71 'Montague Mattinson Pennell', *Bibliog.* 136, 1982.
- D.67 Proof, 36pp typescript with ms correction.
- D.68 'Copy vetted by BP Legal Dept', 33pp typescript with ms correction and annotation (not all in Kent's hand).
- D.69, D.70 Ms and typescript drafts of parts of the memoir. 2 folders.
- D.71 Correspondence, principally with Pennell's family and colleagues; ms notes and other biographical material.

Publications and lectures

- D.72 'The origin of North Sea pockmarks'. Written 1983 but not listed in *Bibliog.*
- This arose from a Royal Society Discussion Meeting at which T. Gold's controversial views on the origin of hydrocarbons were considered. See also E.179-E.188.
- 4pp ms and typescript draft with extensive ms correction; correspondence *re* pockmarks, including comments on Kent's paper.
- D.73 Preface to *Geophysical Logs in British stratigraphy*, *Bibliog.* 140, 1985.
- 2pp typescript; brief editorial correspondence.
- D.74 Foreword to R.C. Cooke and R.C. Nesbit, *Target: Hitler's oil*, *Bibliog.* 141, 1985.
- 2pp typescript and 4pp ms drafts; correspondence from author.
- D.75, D.76 'D.C. Ion'. 1985. Not listed in *Bibliog.*
- Kent wrote obituaries of Ion for the *British Geologist* and *Petroleum Review*. He also gave the address at the Service of Remembrance and Thanksgiving, 11 February 1986.
- D.75 Obituaries by Kent and text of address at Remembrance Service; draft of obituary for the Geological Society by N.L. Falcon (Kent had declined the invitation to write Ion's obituary for the Geological Society and suggested Falcon).
- D.76 Biographical information on Ion
- D.77 'Leonard Johnston Wills', *Bibliog.* 142, 1986.
- Kent had written the obituary of Wills for *Nature* in 1980, *Bibliog.* 124.
- 3pp typescript; correspondence with publishers and colleagues; obituaries; ms notes on Wills's career.

Publications and lectures

D.78 'Island salt plugs in the Middle East and their tectonic implications', *Bibliog.* 144, 1987. This was published posthumously.

Editorial correspondence.

D.79, D.80 'The place of Infra-Cambrian salt in Middle East tectonics'. Dated c.1986 but not listed in *Bibliog.* This is related to the preceding and may be a draft towards a planned book.

D.79 31pp ms and typescript draft with extensive ms correction + abstract, ms captions for figures and acknowledgements.

D.80 Miscellaneous figures.

Editorial correspondence

Arranged alphabetically by publisher or journal title.

D.81 Adam Hilger Ltd. 1980

Invitation to write monograph on the geological structure of the North Sea (declined).

BP Explorer 1984

Paper on UK onshore exploration.

Earth and Planetary Science Letters 1980

Refereeing.

D.82 *Geological Magazine* 1974-85

Kent was an Associate Editor.

Correspondence *re* Associate Editorship; book reviews for the *Geological Magazine*.

Publications and lectures

D.83	Graham & Trotman Ltd.	1982
	Invitation to serve as Senior Adviser to Graham & Trotman on earth science series (declined).	
	<i>Journal of Petroleum Geology</i>	1980-81
	Requests for papers.	
	<i>Journal of the Geological Society</i>	1985-86
	Refereeing.	
D.84-D.88	Mitchell Beazley Publishers Ltd	1978-81
	Kent acted as adviser for the energy section of <i>Atlas of Earth Resources</i> , published by Mitchell Beazley in 1979, commenting on draft chapters as they were sent to him.	
D.84	1978 March-August	D.87 1978 October (2)
D.85	1978 September	D.88 1978-79, 1981
D.86	1978 October (1)	
D.89	<i>Nature</i>	1980
	Refereeing; fee for contribution.	
D.90	<i>Open Earth</i>	1979-83
	Book reviews for <i>Open Earth</i> .	
D.91	Oxford University Press	1980
	Invitation to write book for OUP (declined).	
D.92	Pergamon Press Ltd	1979
	Refereeing.	

Publications and lectures

- D.93 *Proceedings of the Yorkshire Geological Society* 1974, 1978
- Refereeing.
- World Oil* 1965
- Invitation to write article on North Sea exploration (declined).

Letters to *The Times*

In addition to the Letters listed below, Kent wrote to *The Times* in 1968, about the Warsaw Pact invasion of Czechoslovakia (see H.32).

- D.94 'East African glaciers', 26 September 1944.
- 'Meeting world demands for oil', 28 January 1974.
- 'Problem of atomic waste disposal', written as Chairman of the NERC, c.1973-77.
- 'The quality of architecture', written 15 August 1977. No evidence of publication.
- 'Assessing future oil resources', drafted in reply to Letter of P.R. Odell, 24 October 1977. No evidence of publication.
- D.95, D.96 'Need for law to aid exploration into Britain's mineral resources', 9 January 1980 and 'Minerals exploration', 22 April 1980 (both with K.C. Dunham).
- Kent and Dunham's Letter of 9 January, arguing for Crown ownership of all undiscovered mineral reserves, provoked a lively correspondence in *The Times*. Following their second Letter Kent and Dunham were invited to speak before the House of Commons All-Party Minerals Group on 23 July.
- D.95 Letters of Kent and Dunham and other Letters published in *The Times* in response.
- D.96 Correspondence arising, including exchange with T.H.H. Skeet MP re meeting with All-Party group.

Publications and lectures

D.97 'Cohabitee', written 23 January 1982. No evidence of publication.

'Keeping coal for the future', 5 July 1984. See also B.495.

Unpublished Letter, January 1985.

LECTURES

D.98 'Problems of Midlands Geology', University College Nottingham, 4 February 1952.

Ms list of ?slides only.

D.99 'Evaporite Piercement structures in the Northern Richardson mountains' (with W.A.C. Russell). This was published as *Bibliog.* 46, 1961.

'Lecture copy' 12 January 1960, 11pp typescript with ms annotation + references and figure. See also B.435.

D.100 'Persian salt plugs', Leicester, November 1963.

Ms list of slides only. See also B.278.

'UK operations', Bristol, 16 January 1964.

Typescript list of slides only.

'North Sea exploration', Fyzabad, Trinidad, 24 March 1965.

Poster only.

D.101-D.104 'The structure of the concealed Carboniferous rocks of North-eastern England', Presidential address to the Yorkshire Geological Society, York, 11 December 1965. This was published as *Bibliog.* 52, 1966.

D.101 27pp typescript + ms introductory remarks and typescript list of slides.

Publications and lectures

- D.102, D.103 Figures for slides. 2 folders.
- D.104 Correspondence 1965-66; notice of Kent's lecture.
- D.105 'Outline geology of the North Sea basin', Presidential address to the Yorkshire Geological Society, York, 10 December 1966. This was published as *Bibliog.* 59, 1967.

References, figures and plates; programme; letter *re* publication, 31 December 1966.
- D.106 The North Sea, Royal Geographical Society, 16 January 1967.

8pp typescript + list of slides.
- D.107 Invitation to lecture on North Sea exploration to Petroleum Exploration Society of Libya in 1967.
- D.108, D.109 Adrian Visiting Fellowship, Leicester University.

In 1968 Kent gave three lectures as Adrian Visiting Fellow. See also F.255-F.264.
- D.108 'The building of the Zagros mountains', 17 February.

Typescript list of slides with ms annotation; notice of Kent's lecture.

'Tanzania - a study of an epeirogenic region', 11 May. Kent gave this lecture, under the title 'The coastlands of East Africa. A stratigraphical and structural study'.

Typescript lecture notes and list of slides; list of fossils for lecture.
- D.109 'The search for North Sea gas' by Kent, 22 November.

Typescript lecture notes; ms list of ?slides; notice of Kent's lecture.

Publications and lectures

- D.110 Lecture on Persian surveys, Sheffield University Students Geological Society, 23 January 1969.
- Ms lecture notes; letter *re* arrangements.
- Lecture on the North Sea, Geological Society of Alaska, 2 April 1969.
- Typescript introductory remarks; ms list of slides.
- Invitation to lecture to Arthur Holmes Society, Durham University in December 1969.
- D.111 Lecture on the North Sea, University College of Wales, Aberystwyth, 7 January 1970.
- Letter *re* arrangements; typescript list of slides.
- 'Salt Mountains of the Middle East', 11th Bennett Lecture, Leicester University, 9 January 1970.
- Typescript list of slides; ms notes; notice of lecture. See also D.32, D.33.
- D.112 Lecture on East African structures, Cambridge University, 29 January 1970.
- Brief correspondence *re* arrangements only.
- Address on opening the new Department of Geology, Keele University, February 1970.
- 5pp typescript.
- D.113, D.114 'Lincolnshire geology in its regional setting', Presidential address to the Lincolnshire Naturalists' Union, 1970. This was published as *Bibliog.* 78, 1970.
- D.113 'Final copy', 10pp typescript + references; typescript list of slides.
- D.114 1969 draft of the address, 7pp typescript; typescript list of slides; miscellaneous notes and data.

Publications and lectures

- D.115 Correspondence *re* possible lecture to the Geological Society on the North Sea. It was planned to hold this in November or December 1969 but was subsequently postponed to 1970. There is no evidence it was ever delivered.
- Kent did participate in a Geological Society meeting which included discussion of the developments in the North Sea in October 1969 (see H.43).
- D.116 'Arctic oil exploration', Nottingham University Geological Society, 14 January 1971.
- Typescript list of slides; correspondence *re* arrangements.
- Invitation to lecture on the North Sea to Geological Society of Glasgow in October 1971 or later (declined).
- D.117 'Geotechnical problems in Alaskan oil exploration and production', British Geotechnical Society, London, 8 December 1971.
- This presentation was originally scheduled for 22 November.
- Correspondence *re* arrangements.
- D.118 'Geological problems in exploration for oil and gas in the North Sea', Luton College of Technology, 1 February 1972. This formed part of the College's short course 'Advances in Geology'.
- Ms list of slides; correspondence *re* arrangements.
- D.119 Invitation to lecture to Geographical Association Lincoln Branch, January or March 1972 (declined).
- Invitation to speak at University College of Swansea Geological Society Dinner-dance, 16 February 1972 (declined).
- Invitation to speak at Institute of Geological Sciences Leeds Office annual dinner, 25 February 1972. This was subsequently cancelled.
- Brief correspondence.

Publications and lectures

'New light on North Sea geology', Petroleum Exploration Society of New York, 18 May 1972.

Correspondence *re* arrangements.

D.120 Lecture on Arctic islands, 27 September 1972.

Typescript list of ?slides; 'Concessional history' of Canadian Arctic islands'.

Invitation to lecture on Petroleum to Brincliffe Grammar School for Girls, Nottingham, in October, November or December 1972 (declined).

Invitation to lecture to University College of Swansea Geological Society in October or November 1972 (declined).

D.121 List of 'Dr P.E. Kent lectures: 1973'.

'Plate tectonics problems. Inadequacies and imperfections in the hypothesis', Leicester University Geological Society, 16 January 1973.

Invitation; typescript outline of lecture.

Invitation to speak at Queen Mary College London Geological Society annual dinner, 23 February 1973 (declined).

D.122 'Geology and geophysics in the search for hydrocarbons', Durham University, 1 June 1973.

Correspondence *re* arrangements; ms list of ?slides.

'Exploration of continental margins', Wigan and District Geological Society, Wigan, 19 October 1973.

Correspondence *re* arrangements only.

Lecture to North Notts Mining Engineering Society, Mansfield, c.1973.

Letter *re* arrangements only.

Publications and lectures

D.123 Address to Queen Mary College London [?Geological Society annual dinner], 15 February 1974.

3pp typescript with ms annotation.

Address to Manchester Geological Association annual dinner, 1 March 1974.

2pp ms introductory remarks; letter *re* arrangements.

D.124 Address to Swinnerton Geological Society, Nottingham, 14 March 1974.

Invitation; 4pp typescript with ms correction and annotation.

Address to Leeds Geological Association centenary dinner, 19 April 1974. Kent spoke to the Association on 'The North Sea and its problems' on 18 April.

3pp typescript; letter *re* arrangements.

D.125 Royal Institution Evening Discourse, 31 January 1975.

Typescript list of slides; letter arising.

Lecture at Birkbeck College London, 11 February 1975.

Typescript list of slides only.

Invitation to lecture to Cambridge Natural History Society, January or February 1975.

'The modern face of the Geological Society of London', address of welcome at Charles Lyell centenary celebration reception, 2 September 1975.

3pp typescript.

D.126 Lecture at Trinity College Dublin, 9 January 1976.

Ms list of slides only.

Publications and lectures

'Major synchronous events in continental shelves', [?Royal Institution] Evening Discourse, 7 April 1976. This was published as *Bibliog.* 111, 1976.

4pp typescript; typescript list of slides.

Address on opening of new British Antarctic Survey headquarters by H.M. The Queen, 7 May 1976.

2pp typescript.

D.127

Mesozoic lectures.

Kent delivered three lectures in this series in Cambridge 16, 17 and 18 November 1976: 'Eastern England and the southern North Sea - a history of blocks and basins', 'The northern North Sea and the western approaches. Model for continental margin development' and 'The problem of aseismic continental margins - the problem of world wide synchronism'.

Ms lists of slides; references; brief correspondence *re* arrangements and ms itinerary of 'Cambridge week'.

D.128

'Epeirogenic movements on the continental shelf of N.W. Britain', Celebrity lecture of the Geological Society of Glasgow and Edinburgh Geological Society, Glasgow, 5 April 1977.

Correspondence *re* arrangements.

Lecture on offshore oil exploration, Endeavour Society University College of North Wales, 30 November 1977.

Letter *re* arrangements only.

D.129

'Structure of the British continental shelf', Aberdeen Geological Society, 15 February 1978. This was rearranged from 12 October 1977.

Correspondence *re* arrangements.

D.130

'The British continental shelf', Cumberland Geological Society, Cockermouth, 4 April 1979.

Invitation and letter *re* arrangements only.

Publications and lectures

'Applied research in Government science and the relation of science and industry', Luton Technical College, 17 April 1979.

8pp ms.

D.131 Lecture on the geological background to Middle East oil to Swinnerton Geological Society, Nottingham, 19 January 1981.

Invitation only (accepted).

Lectures on oil and gas to residential course on energy resources for HM Forces, Nottingham University, September 1981.

Invitation only (?accepted).

'Oil exploration in Britain', Sylvester-Bradley Geological Society, Leicester University, 11 March 1982.

Ms ?list of slides; correspondence *re* arrangements.

D.132 A.K. Wells Memorial Lecture to the Lyell Club, King's College London, 24 February 1983.

Ms list of slides; correspondence *re* arrangements.

'Deep exploration in the North Sea - scientific achievement and mineral wealth', 2nd L.R. Moore Lecture, Sheffield University, 27 April 1983.

Ms introductory remarks; ms list of slides; correspondence *re* arrangements.

D.133 'A history and review of UK onshore activity', Annual University Celebrity Lecture, Strathclyde University, 16 May 1985.

Correspondence *re* arrangements; poster.

Publications and lectures

BROADCAST

D.134 'Comparisons in oil prospecting', broadcast in BBC Home Service 'The Travellers' series, 12 February 1965.

Transcript, retained in original binding; letter and contract from BBC December 1964; cutting of review from the *Listener* magazine.

REPRINTS

D.135 Published papers 1941-82. Not a complete set.
1 box.

SECTION E

NATURAL ENVIRONMENT RESEARCH COUNCIL

E.1-E.196

Kent served on the Geology and Geophysics Committee (later Institute of Geological Sciences Advisory Committee) of the Natural Environment Research Council (NERC) 1968-73. In 1973, following his retirement from BP, he was appointed Chairman of the NERC for four years. Kent continued to serve on the Council of the NERC until September 1980. He sat on a number of NERC committees during his Chairmanship and subsequent period on Council.

The material presented in this section is by no means comprehensive. Both Kent's Chairmanship of the NERC 1973-77 and his service on Council 1977-80 are poorly documented. Of particular interest therefore is Kent's 'daybook' for 1973-74 (E.23-E.35), a folder in which he kept copies of outgoing correspondence and papers. This chiefly, though by no means exclusively, relates to NERC business. The best documented area of NERC activity is Kent's service as adviser on geological and geophysical activities under the auspices of Preparatory Group 'A'.

The material is presented as follows:

E.1-E.15	GEOLOGY AND GEOPHYSICS COMMITTEE
E.16-E.64	CHAIRMANSHIP AND COUNCIL
E.65-E.188	PREPARATORY GROUP A
E.65-E.90	General, and Visiting Group to IGS/IOS
E.91-E.178	Deep Geology Committee
E.179-E.188	Working Group on Abiogenic gases within the UK crust
E.189-E.196	MISCELLANEOUS

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GEOLOGY AND GEOPHYSICS COMMITTEE

(later INSTITUTE OF GEOLOGICAL SCIENCES ADVISORY COMMITTEE)

The Committee's terms of reference were 'To guide, co-ordinate and keep under review the whole field of research on geology and geophysics, including the geology and geophysics of the sea-floor, to assume responsibility... for the Institute of Geological Sciences, [and] to advise on the award of grants to universities and other bodies, and of fellowships and training grants to post-graduate students, in the earth sciences'.

Kent served on the Committee as BP representative for three years from 1 August 1968 in succession to N.L. Falcon. In 1971 the Committee was restructured into a number of smaller Committees, including the Institute of Geological Sciences Advisory Committee. Kent served on this body for a further three year term.

- E.1 Correspondence *re* appointment, meetings etc 1968; minutes of tenth meeting 15 October 1968.
- E.2 Papers of discussion meeting on NERC interest in geology and geophysics 20 February, and of eleventh Committee meeting 25 March 1969.
- E.3 General correspondence 1969; minutes of twelfth meeting 4 November 1969.
- E.4, E.5 Papers of thirteenth meeting 10 March 1970. 2 folders.
- E.6 General correspondence 1970; minutes of fourteenth meeting 2 June 1970.
- E.7 General correspondence 1971.
- E.8 Correspondence 1971 *re* Report of Working Party on Geotectonics and Crustal Studies. With 'Revised Interim' draft sent to Kent for comment.
- E.9, E.10 Papers of first meeting of IGS Advisory Committee 13 October 1971.

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- E.11 Papers of second meeting 2 May 1972.
- E.12 Correspondence May-August 1972, chiefly *re* possible UK participation in the Deep Sea Drilling Project (DSDP) (see section C). Kent served on a Working Group to advise on this.
- E.13 Draft Report of Working Party on Mining and Economic Geology, with Kent's comments 3 August 1972. Kent was a member of the Working Party.
- E.14 Correspondence and papers September 1972 - January 1973 *re* possible UK participation in the DSDP.
- E.15 Minutes of third meeting 11 October 1972.

CHAIRMANSHIP AND COUNCIL

- E.16 Correspondence *re* terms of appointment, 1973-75.
- E.17-E.20 Papers of Council meeting 26 July 1973. This was the first meeting of Council chaired by Kent. 4 folders.
- E.21 Papers for Annual Week-End Meeting of the NERC, Edinburgh, 21-23 September 1973.
- E.22 'Research in the Geological Sciences', NERC Publications Series B, no.7, September 1973. Annotated by Kent.
- E.23-E.35 'Chairman's Daybook'. Contents of Kent's bulky folder so inscribed divided into thirteen for ease of reference.
- This folder comprises Kent's own copies of correspondence and papers sent out from his office as Chairman of the NERC 12 September 1973 - 14 October 1974. The material does not cover NERC business exclusively but

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includes scientific and social correspondence. Subjects range from social invitations to NERC policy on support of research.

A continuing theme in these papers is the NERC response to the Government White Paper Cmnd 5046, which changed the way in which certain areas of research were funded. Certain programmes of applied research were to be funded by the relevant Government Departments with funds transferred from the NERC. This entailed negotiations with the Department of Trade and Industry (DTI), the Department of the Environment and the Ministry of Agriculture, Food and Fisheries over which projects should be supported by them and how much money should be transferred. Most of the material concerns negotiations over the 'DTI gap', the discrepancy between the sum to be transferred from the NERC to the Department of Trade and Industry (which in 1974 was then divided into three Departments of Energy, Trade and Industry) and the cost of the existing and available applied research programmes.

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| E.23 | 1973 September-October. |
| E.24 | 1973 November. |
| E.25 | 1973 December - 1974 January. |
| E.26 | 1974 February. |
| E.27 | 1974 March (1). |
| E.28 | 1974 March (2). Includes typescript note on NERC support for energy research, submitted to the ABRC. |
| E.29 | 1974 April. |
| E.30 | 1974 May. Includes letter to <i>Nature</i> responding to article 'European Scientists Disunite' which Kent and co-signatories believed to be 'erroneous and misleading'. |

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- E.31 1974 June. Includes 3pp typescript note by Kent 'Mesozoic development of aseismic continental margins, Europe and elsewhere' sent to Royal Society 19 June 1974, and minutes of meeting on funding of the Marine Biological Association activities, 19 June.
- E.32 1974 July (1).
- E.33 1974 July (2).
- E.34 1974 August, September. Includes correspondence *re* offshore research supported by the NERC.
- E.35 1974 September, October.
- E.36 Correspondence *re* criticism of NERC organisation 1975.
- E.37 Miscellaneous correspondence and papers 1975-77. Includes correspondence *re* completion of term of service as Chairman.
- E.38, E.39 Papers of Council meeting 24 May 1977. 2 folders.
- E.40-E.44 'Taxonomy in Britain: The Report of the ABRC Review Group on Taxonomy, 1977'. Annotated by Kent. This report was discussed by the NERC at their meeting on 24 November 1977. 5 folders.
- E.45 Miscellaneous correspondence 1978-79. Includes data on duration of research grants awarded by the NERC.
- E.46-E.49 Papers of Council meeting 24 May 1979. 4 folders.
- E.50-E.54 Papers of Council meeting 27 March 1980. 5 folders.

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- E.55, E.56 Papers for *ad hoc* meeting of Council members to discuss British Antarctic Survey (BAS) scientific priorities.
- E.55 'Report on BAS's [British Antarctic Survey] Antarctic activities & facilities' by P.F.G. Twinn and D.R. Gipps, March 1980. Retained in original binding.
- E.56 Paper on 'BAS's Scientific Programmes', April 1980.
- E.57 Correspondence April- June 1980, principally *re* reorganisation of NERC.
- E.58, E.59 Interim reports of NERC Special Topic programmes sent to Council members 14 July 1980. 2 folders.
- E.60, E.61 Papers of Council meeting 31 July 1980. 2 folders.
- E.62 Correspondence August-October 1980 *re* end of Kent's term of office and Council meeting of 25 September 1980. Kent was unable to attend this, due to be his final Council meeting, through illness.
- E.63, E.64 Papers of Council meeting 25 September 1980. 2 folders.

PREPARATORY GROUP A

General and Visiting Group to IGS/IOS

Kent served on the NERC's Preparatory Group 'A' (Earth Sciences) which advised Council on geological and geophysical matters. He was a member of the Visiting Group to the Institute of Geological Sciences (IGS) Continental Shelf Division and the Institute of Oceanographic Sciences (IOS) Marine Geophysical Group.

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- E.65-E.70 Visiting Group to the IOS Marine Geophysical Group and IGS Continental Shelf Division on 17 and 25 October, 20-21 November and 1 December 1978.
- Kent chaired the Group.
- E.65-E.68 Papers for visits. 4 folders.
- E.69 Kent's ms notes on visit of 17 October to IOS, Wormley.
- E.70 Draft report of Visiting Group sent to Kent April 1979. With extensive ms correction and additions by Kent.
- The final report was circulated with the papers for the meeting of Preparatory Group 'A' on 17 May (see E.71).
- E.71-E.73 Papers for meeting of NERC Preparatory Group 'A', 17 May 1979. 3 folders.
- E.74 IGS 'Proposal for the continuation of the Mineral Reconnaissance Programme', paper for meeting of Preparatory Group 'A', 5 December 1979.
- E.75-E.79 Papers for meeting of Preparatory Group 'A', 5 February 1980. 5 folders.
- E.80 Letter *re* meeting of Preparatory Group 'A', May 1980.
- E.81, E.82 Papers for meeting of Preparatory Group 'A', 1 July 1980. 2 folders.
- E.83 Papers for joint meeting of Preparatory Groups 'A' and 'D' on marine sedimentology, 1 July 1980.
- E.84, E.85 Papers for meeting of Preparatory Group 'A', 2 February 1981. 2 folders.

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- E.86 Papers for meeting of Preparatory Group 'A', 5 February 1982.
- Kent was a Visitor at the meeting reporting on the future of IPOD.
- E.87, E.88 Visiting Group to the IGS Continental Shelf Division, Edinburgh, 23-24 November 1983.
- E.87 Timetables, annotated by Kent; 'The Continental Shelf Division. A view of the future' by H.R. Tainsch, sent to Kent for comment 20 January 1984.
- E.88 Papers for visit. Retained in original folder.
- E.89, E.90 Visiting Group to the IGS Marine Geology Unit, Keyworth, 13 December 1983.
- E.89 Timetables, annotated by Kent; draft report of the Group sent to Kent for comment 8 March 1984.
- E.90 Papers for visit. Retained in original folder.

Deep Geology Committee

In 1978, following the creation by the Institute of Geological Sciences of a Deep Geology Unit, the NERC established a Deep Geology Programme to coordinate research into Deep Geology carried out by the IGS Unit and a number of universities. The Deep Geology Committee was established in February 1979 to oversee the Programme. Kent served on the Committee from its inception (as the first Chairman 1979-83). The Committee reviewed progress and considered proposals for the research to be carried out under the Programme, and organised meetings. It reported to Preparatory Group 'A'.

- E.91 Notes on IGS/Universities Discussion Group on Deep Geology, 2 May 1978.
- This was an exploratory meeting called to discuss the future direction of the programme.

Natural Environment Research Council

- E.92 Notes on IGS/Universities Discussion Group on Deep Geology, 23 May 1978; ms notes by Kent.
- This meeting received detailed proposals for ten projects.
- E.93 List of projects recommended for funding within the Deep Geology Programme, 1 June 1978; notes on IGS/Universities Discussion Group on the Lower Crust (Deep Geology Programme), 15 June 1978.
- E.94, E.95 Papers for first meeting of Committee, 30 May 1979. 2 folders.
- E.96 Paper on 'Role of Government geological agencies in mineral resource development', commenting particularly on the role of the French Bureau de Recherches Géologiques et Minières, with enclosures, July 1979; 'NERC and the Earth Sciences' by J. Sutton, 4pp typescript, 27 September 1979.
- E.97-E.99 Papers for second meeting of Committee, 8 May 1980. 3 folders.
- E.100 'Deep Geology Project: Availability of U.K. onshore confidential information' by Kent, 1p typescript with ms correction and addition, 8 May 1980, with comments on the draft by members of the IGS. See E.115.
- E.101 Papers *re* proposal for deep crustal reflection profiling in British Isles, sent to Kent 1 July 1980.
- E.102, E.103 Workshop on the Deep Geology of the onshore UK, Leicester, 23-24 September 1980. Kent was unable to attend due to illness.
- E.102 Correspondence *re* arrangements, programme, correspondence arising.
- E.103 Abstracts.
- E.104-E.106 Papers of third meeting of Committee, 11 November 1980. 3 folders.

Natural Environment Research Council

- E.107-E.111 Papers of fourth meeting of Committee, 13 January 1981. 5 folders.

Chiefly research grant applications and proposals arising from the Deep Geology Workshop (E.102,E.103).
- E.112 Report of Deep Geology Committee 1979-1981 for Preparatory Group 'A'.
- E.113, E.114 Papers of fifth meeting of Committee, 28 July 1981. 2 folders.
- E.115 'Deep Geology Project: Availability of U.K. onshore confidential information' by Kent, 2pp typescript, 9 August 1981, and 2pp typescript amended version. With covering and related correspondence. See E.100.
- E.116-E.118 Sections of Deep Geology Committee Report sent to Kent for corrections September 1981. Principally project reports. 3 folders.
- E.119-E.122 Papers of sixth meeting of Committee, 24 February 1982. 4 folders.

Chiefly research grant applications and reports.
- E.123, E.124 Papers of seventh meeting of Committee, 28 April 1982. 2 folders.
- E.125-E.130 Papers of eighth meeting of Committee, 20 October 1982. 6 folders.

Chiefly research grant applications.
- E.131, E.132 Second Workshop on the Deep Geology of the onshore UK, Cambridge, 5-6 January 1983. Kent introduced the Workshop.
- E.131 Correspondence, list of participants, ms notes for introduction etc.
- E.132 Programme and abstracts, Report on Workshop.

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- E.132A Correspondence and papers *re* Deep Fluid Processes seminars.
- Three of these meetings were held during 1983: Cambridge, 14 February, and London, 16 May and 19 September. Kent attended the first.
- E.133-E.138 Papers of ninth meeting of Committee, 20 April 1983. 6 folders.
- Chiefly research grant applications.
- E.139 Correspondence May-July 1983, *re* Kent's period of service as Chairman.
- E.140-E.143 Papers of tenth meeting of Committee, 12 October 1983. 4 folders.
- Chiefly research grant applications.
- E.144, E.145 Papers of BIRPS [British Institutions Reflection Profiling Syndicate] Advisory Committee meeting, 29 November 1983. 2 folders.
- BIRPS was established in 1981 to operate a UK programme of deep seismic reflection profiling. The BIRPS Advisory Committee reported to the Deep Geology Committee with proposals for experimental projects.
- E.146 Correspondence and papers *re* BIRPS North Sea 1984 Workshop held following the BIRPS Advisory Committee meeting.
- E.147-E.157 Papers of eleventh meeting of Committee, 22 March 1984. 11 folders.
- Chiefly research grant applications.
- E.158-E.161 Papers of twelfth meeting of Committee, 2 October 1984. 4 folders.
- Chiefly research grant applications.
- E.162, E.163 Third Workshop on the Deep Geology of the onshore UK, Durham, 3-4 January 1985.

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- E.162 Brief correspondence *re* arrangements, list of participants and papers offered, 1p ms notes on 'Future of BIRPS'.
- E.163 Programme and abstracts.
- E.164-E.166 Papers of thirteenth meeting of Committee, 26 March 1985. 3 folders.
- E.167-E.172 Papers of fifteenth meeting of Committee, 10 October 1985. 6 folders.
Chiefly research grant applications.
- E.173 Papers of BIRPS Advisory Committee meeting, 25 March 1986.
- E.174-E.178 Papers of sixteenth meeting of Committee, 20 June 1986. 5 folders.
Chiefly research grant applications.

Working Group on Deep Source Gases within the UK crust

This Working Group was established by the Deep Geology Committee at their meeting on 24 February 1982 'to propose a programme of work to investigate occurrences of methane, actual and potential within the UK crust'. Kent was Chairman of the group.

The subject under study arose from the hypothesis of Professor Thomas Gold of Cornell University that throughout geological time carbon gases trapped inside the Earth during its formation gradually seep out through the Earth's surface. The most common of these carbon gases was methane and it was suggested that if the hypothesis were correct this methane could be a valuable source of energy.

Kent's interest in Gold's ideas about the origins of natural gases and oil preceded the formation of the Working Party. In 1980 Gold visited the Energy Technology Support Unit (ETSU) at the Atomic Energy Research Establishment, Harwell, to lecture on 'Primordial methane - energy source for the future?' and discuss his ideas, and Kent had been among those attending.

Natural Environment Research Council

- E.179-E.182 Papers from visit of Gold to ETSU, 9 April 1980.
- E.179 Invitation; programme of visit.
- E.180, E.181 Background information provided by ETSU. 2 folders.
- E.182 Notes on round table meeting with Gold; copy of 'Harwell Bulletin' covering the visit of Gold; correspondence arising April-June 1980.
- E.183 Letter *re* establishment of Working Group, 1 March 1982; papers for meeting of Working Group, 7 April 1982, annotated by Kent; Kent's ms notes.
- E.184 Draft report of meeting; 'Draft programme to investigate the possibility of economically significant accumulation of deep source hydrocarbons existing in the UK crust', annotated by Kent.
- E.185, E.186 US Department of Energy meeting on Unconventional Deep Source Gas, Morgantown, WV, 3-4 May 1982.
- E.185 Unofficial report by A.T. Huntingdon, NERC representative at the meeting.
- E.186 US Department of Energy report of the meeting.
- E.187 Discussion meeting on Origin of fossil fuels - biogenic vs non-biogenic, London, 7 October 1982. Kent spoke on 'Investigation of Deep Source Gas' as Chairman of the Working Group.

Programme; Kent's notes for his lecture and ms notes on lecture by Gold; brief correspondence.
- E.188 Draft of 'The duplex origin of natural gas and petroleum, and the prognosis for future supplies' by Gold, sent by him to Kent for information 4 December 1984.

Natural Environment Research Council

MISCELLANEOUS

- E.189, E.190 Working Party on the Law of the Sea.
- This was established by the European Science Foundation to consider the implications of the Law of the Sea negotiations for marine research. It was feared that the terms under consideration might restrict such research. Kent was the NERC representative on the Working Party.
- Most of the material concerns the meeting of the Working Party in Paris on 8 February 1978.
- E.189 Correspondence and papers, December 1977 - February 1978. Includes 'draft paper of what could be the ESF answer to the American statement on the implications of the conclusions reached by the Conference on the Law of the Sea negotiations upon marine research', heavily annotated by Kent.
- E.190 Papers of meeting of 8 February, including Kent's ms notes and report; revised draft of ESF paper telexed to Kent 13 February, with Kent's reply suggesting amendments.
- E.191, E.192 'NERC misc - continental shelf survey'. Contents of Kent's envelope so inscribed divided into two for ease of reference.
- E.191 'Programme of Offshore Studies by IGS for Department of Energy. Proposals for 10 year programme 1979-1988'.
- E.192 Brief correspondence January-April 1978; maps.
- E.193-E.196 Geological Survey of Great Britain Consortium.
- Kent was Chairman of this body.
- Papers for meetings 1979 and 1980. See also F.145-F.161.
- E.193-E.195 Sixth meeting, 12 June 1979. 3 folders.
- E.196 Seventh meeting, 20 February 1980.



National Cataloguing Unit for the Archives of Contemporary Scientists
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Catalogue of the papers and correspondence of

SIR PETER KENT FRS

(1913 - 1986)

Compiled by Timothy E. Powell and Peter Harper

VOLUME II

Sections F - J

Index of correspondents

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SECTION F

SOCIETIES AND ORGANISATIONS

F.1-F.427

The material covers 41 British, overseas and international organisations. The organisations are presented in an alphabetical sequence. While some entries are slight, dealing with membership, invitations to meetings and the like, others are more substantial both in their time-span and in the matters covered.

Among the organisations best documented here are the Foreign and Commonwealth Office, the Geological Society, the International Trust for Zoological Nomenclature, the Royal Society and the Watt Committee on Energy. For material relating to the British Geological Survey see the entries for the Institute of Geological Sciences and the Institution of Geologists. Also of interest in this section is the material on local geological and natural history societies of which Kent was a member, including the East Midlands and Yorkshire Geological Societies and the Leicestershire, Lincolnshire and Nottinghamshire Trusts for Nature Conservation.

The material is presented as follows:

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS	F.1-F.5
ARTHUR HOLMES SOCIETY (DURHAM UNIVERSITY)	F.6
BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE	F.7, F.8
BRITISH GEOLOGICAL SURVEY (see INSTITUTE OF GEOLOGICAL SCIENCES)	
CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS	F.9
COUNCIL FOR SCIENTIFIC POLICY	F.10-F.21
DAVID DAVIES MEMORIAL INSTITUTE FOR INTERNATIONAL RELATIONS	F.22, F.23

Societies and organisations

EAST MIDLANDS GEOLOGICAL SOCIETY	F.24-F.30
FOREIGN AND COMMONWEALTH OFFICE	F.31-F.68
GEOLOGICAL SOCIETY OF AMERICA	F.69
GEOLOGICAL SOCIETY OF LONDON	F.70-F.137
GEOLOGISTS ASSOCIATION	F.138-F.143
HARKER GEOLOGICAL SOCIETY (HULL UNIVERSITY)	F.144
INSTITUTE OF GEOLOGICAL SCIENCES/BRITISH GEOLOGICAL SURVEY	F.145-F.161
INSTITUTE OF PETROLEUM	F.162-F.165
INSTITUTION OF GEOLOGISTS	F.166-F.183
INTERNATIONAL TRUST FOR ZOOLOGICAL NOMENCLATURE	F.184-F.228
INTERNATIONAL UNION OF GEOLOGICAL SCIENCES	F.229-F.241
INTER-UNION COMMISSION ON GEODYNAMICS	F.242-F.245
IRAN SOCIETY	F.246, F.247
LAMONT-DOHERTY GEOLOGICAL OBSERVATORY	F.248-F.252
LEICESTER LITERARY AND PHILOSOPHICAL SOCIETY	F.253
LEICESTERSHIRE TRUST FOR NATURE CONSERVATION	F.254
LEICESTER UNIVERSITY	F.255-F.264

Societies and organisations

LINCOLNSHIRE NATURALISTS' UNION	F.265-F.274
LINCOLNSHIRE TRUST FOR NATURE CONSERVATION	F.275-F.278
MACROBERT AWARD EVALUATION COMMITTEE	F.279-F.311
MANCHESTER MUSEUM	F.312
MARINE BIOLOGICAL ASSOCIATION	F.313-F.318
NATURE CONSERVANCY	F.319-F.323
NOTTINGHAMSHIRE TRUST FOR NATURE CONSERVATION	F.324-F.328
OPEN UNIVERSITY	F.329, F.330
PALAEONTOLOGICAL ASSOCIATION	F.331
PAPUA AND NEW GUINEA SCIENTIFIC SOCIETY	F.332
PETROLEUM EXPLORATION SOCIETY OF GREAT BRITAIN	F.333-F.340
ROYAL INSTITUTION	F.341-F.344
ROYAL SOCIETY	F.345-F.389
ROYAL SOCIETY OF ARTS	F.390
ULSTER MUSEUM	F.391
WATT COMMITTEE ON ENERGY	F.392-F.410
WORLD CULTURAL COUNCIL	F.411-F.417
YORKSHIRE GEOLOGICAL SOCIETY	F.418-F.427

Societies and organisations

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

1956-84

Kent was elected a member of the American Association of Petroleum Geologists (AAPG) in 1957. In 1976 he was elected an Honorary Member (see A.167) and in 1984 received a certificate marking 25 years membership (A.176). For AAPG conferences attended by Kent see section H.

- F.1 1956-57. Chiefly *re* membership.
- F.2 1965-66. Includes correspondence *re* Letter of recognition for AAPG Semi-Centennial celebrations 1966. Kent was asked to secure a Letter from the Queen. In the event a Letter was written by R.W. Marsh MP, Minister of Power.
- F.3 1967-68. Chiefly *re* papers on evaporites of the North Sea and the Middle East.
- F.4 1969-71. Includes correspondence *re* refereeing paper.
- F.5 1972-75, 1979-84.

ARTHUR HOLMES SOCIETY (DURHAM UNIVERSITY)

1975

- F.6 Election as Honorary Vice President.

BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

1943-82

Kent became a Life Member of the British Association in 1943. He was Vice-President of Section C (Geology) 1966 and President 1972-73. For British Association meetings attended by Kent see section H.

- F.7 1943, 1971-74. Includes papers of General Committee meeting 24 August 1973.

Societies and organisations

F.8 1975-77, 1982.

CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS

1979-82

Kent was made an Honorary Member of the Society in 1979.

F.9 Honorary Membership, 1979, 1982; Newsletter for March 1980.

COUNCIL FOR SCIENTIFIC POLICY

1971-72

The Council for Scientific Policy (CSP) was established in 1965 'to advise the Secretary of State for Education and Science in the exercise of his responsibilities for the formulation and execution of Government scientific policy'. It was wound up in 1972, its duties being subsumed within those of its successor body, the Advisory Board for the Research Councils (ABRC). Kent was appointed a member of the CSP in 1968 and served this body and the ABRC until 1977.

Kent seems to have returned the majority of the papers he was sent in connection with CSP business (see F.10), and the papers presented here relate solely to the response to the 1972 Green Paper Cmnd 4814 'A Framework for Government Research and Development' and subsequent White Paper Cmnd 5046 (the Rothschild Report). Kent was a member of the CSP's Preparatory Group charged with responding to Cmnd 4814.

F.10 Lists of CSP 'papers returned...'

Letter to F.S. Dainton from Kent enclosing 2pp typescript draft 'Comments on Cmnd 4814...', 13 December 1971; comments by F.A. Fidler on Cmnd 4814, 4 January 1972; letter to W.K. Reid, of the Department of Education and Science, from Kent, 4 January 1972; 3pp typescript 'Arguments on the Green Paper' by T.L. Cottrell, 15 January 1972.

F.11 Kent's ms notes on Royal Society meeting with Lord Rothschild, 11 January 1972; 3pp typescript 'Comments by Lord Rothschild, FRS, on statements in letters to the Press about his report, and at his request circulated to Fellows attending meeting on Tuesday 11 January 1972'; 'Memorandum by Lord Rothschild...' intended as 'a definitive presentation of my views on some of the major issues on which my critics appear to me misguided', 20 January 1972.

Societies and organisations

- F.12 'A note of evidence taken from Lord Rothschild by the [House of Lords] Select Committee on Science and Technology', 26 January 1972.
- F.13 Note on CSP Preparatory Group (Green Paper) meeting, 18 January 1972, annotated on verso by Kent, and CSP [?draft] response to Cmnd 4814.
- F.14 Correspondence and papers *re* cross-examination of Dainton, A.E. Merrison and Kent for the CSP by the Select Committee on Science and Technology, 2 February 1972. Includes copy of minutes of their evidence.
- F.15, F.16 Other submissions on Cmnd 4814.
- F.15 Agricultural Research Council; Royal Society.
- F.16 Natural Environment Research Council (2nd draft and final version).
- F.17-F.19 Photocopies of press-cuttings *re* Cmnd 4814, 25 November 1971 - 11 January 1972, circulated to CSP Preparatory Group. 3 folders.
- F.20 Miscellaneous later press-cuttings and articles *re* Cmnd 4814.
- F.21 Cmnd 5046, July 1972; Cmnd 5177 'Select Committee on Science and Technology. Government observations on First and Fourth Reports', December 1972, annotated by Kent.

**DAVID DAVIES MEMORIAL INSTITUTE FOR INTERNATIONAL
RELATIONS**

1981-82

- F.22, F.23 Advice on Institute's study of continental shelf waters around the UK. 2 folders.

Societies and organisations

EAST MIDLANDS GEOLOGICAL SOCIETY

1964-83

Kent joined the Society shortly after it was founded in February 1964. He was a Trustee of the Society's Trust Fund and wrote a number of articles for its journal *The Mercian Geologist*.

The material includes correspondence and circulars.

- F.24 1964-67. 1967 material chiefly *re* establishment of Trust Fund.
- F.25 1968. Chiefly *re* Trust Fund.
- F.26 1969. Includes correspondence with J.H. Sykes *re* 'Barnstone railway cutting project' and meeting on 'The Rhaetic of the East Midlands', 12 December, introduced by Kent at which Sykes lectured on 'Details of the Barnstone section'.
- F.27 1970. Includes correspondence *re* review article by Kent 'Problems of the Rhaetic in the East Midlands' published in *The Mercian Geologist* (Bibliog. 76, 1970).
- F.28 1971. Chiefly *re* geological field excursion to Scunthorpe led by Kent, 17 October.
- F.29 1972-74. Includes report on the excursion to Scunthorpe for *The Mercian Geologist*.
- F.30 1975,1978,1982-83. 1982 material *re* geological field excursion to the area south-west of Grantham led by Kent, 18 July.

Societies and organisations

FOREIGN AND COMMONWEALTH OFFICE

1974-78

The material is presented as follows:

F.31-F.54 English Channel

F.55-F.57 Falkland Islands

F.58-F.68 Rockall

English Channel

Following unease at French moves in 1974 to begin exploratory drilling in a disputed area of the English Channel, Kent was asked in October 1975 to assist the Foreign and Commonwealth Office during arbitration 'to delimit the course of the continental shelf boundary between the UK and France' as the UK's scientific expert at the Court of Arbitration in Geneva.

The material is principally documents and maps relating to the UK and French claims, including British and French submissions (termed Memorials and Counter-memorials) and Kent's comments on them.

- F.31 1974 November-December. Background correspondence *re* UK response to possible French drilling. Possibly passed to Kent by R.J.H. Beverton, Secretary of the NERC.
- F.32 1975 October-December. Correspondence *re* case, including letter asking Kent to assist, and his comments on part of the draft UK Memorial (submission) to the Court of Arbitration on the Hurd Deep Fault zone in the English Channel.
- F.33-F.37 1975 December. Copy of draft UK Memorial prepared following Kent's comments. 5 folders.
- F.38 1976 January-March. Correspondence and papers, chiefly *re* Hurd Deep.
- F.39 1976 April-July. Correspondence and papers, chiefly *re* UK Counter-memorial.

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- F.40 1976 August, September. Papers *re* French Counter-memorial.
- F.41 1976 October, November. *Re* French Counter-memorial.
- F.42 1976 December (1). Correspondence and papers *re* UK reply to French Counter-memorial.
- F.43 1976 December (2). French reply.
- F.44 1977 January, February. Includes 9pp typescript of Kent's 'Oral submission on the geological evidence' and 4pp typescript of 'Oral submission on the geology' annotated 'Second version'.

The Court of Arbitration began its deliberations in January 1977.
- F.45-F.48 Verbatim records of Meeting of the Court for 10, 18 and 23 February. 4 folders.
- F.49 Kent's ms notes, including short account of his experiences at the Court; letter of thanks from Foreign and Commonwealth Office, March 1977.
- F.50-F.54 Miscellaneous background information: principally maps. 5 folders.

The Falkland Islands

- Kent reviewed [D.H.] Griffiths' report on the structure of the Falkland Islands continental shelf on behalf of the Foreign and Commonwealth Office in April 1975. The FCO was particularly interested in the hydrocarbon prospects of the area around the Falkland Islands.
- F.55 'Geology of the Region around the Falkland Islands' by D.H. Griffiths *et al*, March 1975. Retained in original binder.

Societies and organisations

F.56 Correspondence *re* Griffiths' report, including copy of Kent's review, 3pp typescript, June 1975.

F.57 Newspaper cuttings *re* oil prospects in the region.

Rockall

In 1976 Kent was asked to advise on the strength of the UK claim to the Rockall Plateau and supervise the preparation of a report against rival claims from the governments of the Irish Republic and Denmark. The British government was anxious to restate the UK case, that the Plateau was linked to mainland UK by continental crust, without opening the way for a Danish claim on the Rockall Plateau based on the Faroes.

F.58 1976 May-September. Includes FCO request for up-to-date information on the geology of the Rockall area, May.

F.59 1976 October-December. Includes Kent's 11pp typescript first draft on the 'Boundary between UK and the Irish Republic', and later draft with ms and typescript corrections (not by Kent).

F.60 1977 February, March. Includes 'Aide-mémoire to Sir Peter Kent on The crustal structure of the NW British continental margin' by D.K. Smythe and R. McQuillin, 9 March. This summarised evidence 'for and against a continental crustal link of the Rockall Plateau to the UK continental shelf NW of Scotland'.

F.61 1977 May-August. *Re* preparation of final report for Law Officers.

F.62 1978 April. Correspondence *re* terminology employed in the report.

F.63-F.68 Miscellaneous background information. 6 folders.

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GEOLOGICAL SOCIETY OF AMERICA

1965-71

Kent was elected a member of the Geological Society of America in 1966.

F.69

1965-71. *Re* membership.

GEOLOGICAL SOCIETY OF LONDON

1960-86

Kent was elected a Fellow in 1938 (see A.131A). He served on Council 1963-66 and was President of the Society 1974-76. He was a member of many committees and groups of the Society, not all of which are represented in the surviving material.

He received the Society's Lyell Fund for 1949 and Bigsby Medal 1953 (A.136) and the Murchison Medal in 1969 (A.143).

The material is presented as follows:

- F.70-F.76 General correspondence and papers
- F.77-F.112 Stratigraphy Committee
- F.113 Committee for Sustained Industrial Support
- F.114-F.123 Appeals Committee
- F.124-F.126 Petroleum Geochemistry Group
- F.127-F.137 Geological Society Club

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General correspondence and papers

These principally date from the period prior to Kent's Presidency of the Society and include very few 'official' papers such as papers for meetings of Council.

- | | |
|------|--|
| F.70 | 1969. Includes letter from T.N. George, President, asking whether Kent would accept nomination as his successor, 6 October. |
| F.71 | 1970. |
| F.72 | 1971. Includes correspondence <i>re</i> 1971 Appeal. |
| F.73 | 1972. Includes correspondence <i>re</i> membership of temporary working group on mineral extraction and the environment. |
| F.74 | 1973. Includes correspondence <i>re</i> Presidency of the Society and biographical material <i>re</i> F.W. Shotton, candidate for the Wollaston Medal. |
| F.75 | 1974-76. |
| F.76 | 1978-84. |

Stratigraphy Committee

The material is presented as follows:

- | | |
|------------|------------------------|
| F.77-F.87 | General |
| F.88-F.111 | Triassic Working Group |
| F.112 | Jurassic Working Group |

Societies and organisations

General

The Stratigraphy Committee was established in 1968 to replace the Stratigraphical Code Sub-Committee, of which Kent was also a member. It published guides to stratigraphical procedure in 1972 and 1978, both co-authored by Kent.

F.77 Background material. Includes 'Report of the Stratigraphical Code Sub-Committee', March 1967.

F.78-F.87 Stratigraphy Committee meetings 1972-74, 1979-85.

Correspondence and papers.

The meetings in early 1972 were chiefly concerned with preparation of the Committee's 'Concise Guide to stratigraphical procedure', (*Bibliog.* 83, 1972). The committee later published 'A guide to stratigraphical procedure', (*Bibliog.* 118, 1978).

F.78	1972 January	F.83	1979-80
F.79	1972 February	F.84	1981
F.80	1972 March-June	F.85	1982
F.81	1972 July-September	F.86	1983
F.82	1973-74	F.87	1984-85

Triassic Working Group

The Triassic Working Group was established in 1966 by the Geological Society as one of a number of Working Groups to review the stratigraphy of the Phanerozoic rock succession. In 1968 it was placed under the newly established Stratigraphy Committee. In the case of correlation of the Triassic, described by Kent in a letter to M.G. Audley-Charles of 15 November 1966 (F.88) as 'one of the most difficult in British stratigraphy' it was felt necessary to organise up-to-date reappraisals of regional data on the Triassic. The Working Group, chaired by Kent, began work in 1967, holding a symposium on 1 November 1967, the results of which were published in a special issue of the Geological Society's *Quarterly Journal*. The Working Group then went on to consider three phases of the Triassic in the preparation of a correlation chart: the Rhaetic, the Keuper and the Bunter. It finally produced a report, considerably longer than originally

Societies and organisations

envisaged in 1980 (*A correlation of Triassic rocks in the British Isles*, Bibliog. no. 127).

Correspondence and papers 1966-83.

- F.88 1966. Correspondence *re* paper on Triassic correlation by M.G. Audley-Charles.
- This was the most extensive survey of the subject then attempted and, although somewhat controversial, was a spur to the Working Group's activities.
- F.89 1967 January-March. *Re* Audley-Charles's paper.
- F.90 1967 April. *Re* Audley-Charles's paper. Includes comments on the paper following its reading at Geological Society Discussion meeting, 5 April.
- F.91 1967 May. Includes correspondence *re* possible Trias Symposium.
- F.92 1967 June.
- F.93 1967 June-August. Trias Symposium.
- F.94 1967 October-December. Chiefly correspondence and papers *re* Symposium, and *re* 'Aide-mémoire' by Kent on the Rhaetic.
- F.95 1968 January-March. Chiefly *re* publication of Symposium proceedings, and Kent's 'Aide-mémoire'.
- F.96 1968 April, May. Includes Kent's first 'Progress Report' of the Working Group, 20 May.

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- F.97 1968 June-November. Includes 2pp typescript 'Recommendations for lithographical terminology applied to the Rhaetic Beds of Britain' prepared for the Group by Kent, 3 July, and 'Comments on the recommendations...' by P.L. Robinson, 4pp duplicated typescript.
- F.98 1969 January-June. Includes 'General description of stratigraphic units in the Upper Trias of Great Britain', 6pp typescript + figures found with minutes of meeting 29 April.
- F.99 1969 July-October.
- F.100 1970 January-June. *Re* meeting 17 February, and questionnaire on 'Keuper' rocks of the British Isles.
- F.101 1970 July-December. Includes 'Progress Report', revised questionnaire on 'Keuper' rocks and typescript summary accounts by Kent of the Rhaetic of the North Midlands, Lincolnshire, Yorkshire and the North Sea + figures.
- F.102 1971 January-June. Includes questionnaire on 'Bunter' rocks of the British Isles.
- F.103 1971 August. Chiefly replies to questionnaires on 'Keuper' and 'Bunter' circulated prior to Working Group meeting on 6 October.
- F.104 1971 October-December. Chiefly *re* meetings 6 October and 1 December.
- F.105 1972 January-March. Chiefly *re* meetings 2 February and 21 March to consider regional correlation charts.
- F.106 1972 April-December.
- F.107 1973. Includes 'Progress Report of the Working Party on the Trias' by Kent, 'Presentation on Progress of Triassic Working Group' for Stratigraphical Committee, 5 June, and draft correlation chart.

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F.108 1974.

F.109 1975-76. Includes 'Definition of new names for major stratigraphical units' by G. Warrington and his 'Report of visit to Vienna...' for meeting of IUGS sub-commission on Triassic stratigraphy.

F.110 1978. *Re* Working Group Report.

F.111 1979, 1980, 1983.

Jurassic Working Group

This group was considerably less active than the Triassic Working Group. Kent was a member.

F.112 1966, 1973.

Committee for Sustained Industrial Support

F.113 1977. Chiefly *re* compilation of appeal brochure.

Appeals Committee

The Appeals Committee was established in 1981 to raise money for the Society's archives and conservation programme and for the compilation of a Palaeographical Atlas. Kent was Chairman of the Committee. It held its first meeting on 2 December 1981. The Appeal succeeded in raising the £10,000 required for the Atlas but not the further £80,000 for the employment of a conservationist on a permanent basis. In October 1983 the Committee launched an Appeal for funds to support its field-based training scheme for promising honours graduates.

Societies and organisations

The material is chiefly papers for meetings of the Committee, correspondence *re* potential donors and Appeal letters and replies.

F.114	1981	F.119	1982 August
F.115	1982 January, February	F.120	1982 September, October
F.116	1982 March	F.121	1982 November
F.117	1982 April, June	F.122	1982 December
F.118	1982 July	F.123	1983

Petroleum Geochemistry Group

In 1983 the Petroleum Geochemistry Group expanded its scope and widened its membership to become the Petroleum Group. Kent had been a member of the Petroleum Geochemistry Group and was also a member of the new Group, serving on its Committee.

- F.124 1982. *Re* 1982-83 programme of events. Kent spoke at the Petroleum Geochemistry Group's Discussion Meeting on the Origin of fossil fuels: biogenic vs non biogenic, London, 7 October 1982. See also H.122.
- F.125 1983. Membership of Petroleum Group; 1983-84 programme of events.
- F.126 1984. 1984-85 programme of events. Kent spoke on 'UK on-shore exploration - historical review' at the Group's meeting on on-shore UK exploration, London, 16 May 1984. See H.143.

Geological Society Club

Kent was elected a member in 1960 and served on the Committee 1963-65. He was elected an Honorary Member in 1978.

Societies and organisations

Chiefly papers for meetings of the Club

F.127	1960-64	F.133	1979, 1981
F.128	1965-68	F.134	1982
F.129	1969-70	F.135	1983
F.130	1971-73	F.136	1984
F.131	1974, 1976-77	F.137	1985-86
F.132	1978		

GEOLOGISTS' ASSOCIATION

1937-85

Kent was elected a member in 1935 (life member from 1937). The material is chiefly *re* membership. There is also correspondence *re* arrangements for Association field excursions abroad for which there is no other evidence of Kent's participation. The excursion to Kenya in 1983 is documented at H.127-H.129.

- F.138 1937, 1967. Items 1937 are notes of thanks for services during Association field meetings, 1967 material is for Association field trips in east Yorkshire and north Lincolnshire.
- F.139 1969-70. Chiefly correspondence *re* applications to join Association.
- F.140 1971-72. Correspondence *re* arrangements for Association excursion to Bulgaria, September - October 1971. Also includes 'Oil and Gas production in Bulgaria' by Kent, 6pp typescript, 15 October 1971 + 1p 'Addenda'.
- F.141 1973, 1981.
- F.142 1983-84. Chiefly correspondence *re* arrangements for Association excursion to Cyprus 24 April - 2 May 1984.

Societies and organisations

- F.143 1985, nd. Correspondence *re* proposed excursion to Crete and Santorini, October, and *re* reunion of participants in 'Long field meeting in Switzerland 6th - 21st September 1947', 2 November.

HARKER GEOLOGICAL SOCIETY (HULL UNIVERSITY)

1978

Kent was Honorary Vice-President of the Society 1978-79. He was guest at the Society Annual Dinner, 1 February 1979.

- F.144 1978. Invitation to act as Honorary Vice-President and correspondence *re* Annual Dinner.

INSTITUTE OF GEOLOGICAL SCIENCES/BRITISH GEOLOGICAL SURVEY

1972-86

The Institute of Geological Sciences was formed in 1965 as an amalgamation of the Geological Survey of Great Britain, the Overseas Geological Surveys and the Geological Museum as a component of the Natural Environment Research Council (NERC). In 1984 the Institute was renamed the British Geological Survey and the Geological Museum transferred to the British Museum (Natural History).

The material is presented as follows:

F.145, F.146 Institute of Geological Sciences

F.147-F.161 British Geological Survey

Institute of Geological Sciences

Material relating to Kent's service on the Institute of Geological Sciences Advisory Committee (previously the Geology and Geophysics Committee) of the Natural Environment Research Council 1968-73, and on the NERC Visiting Group to IGS is presented in section E.

- F.145 1972-73, 1977, 1980-81. General correspondence, including correspondence *re* confidentiality of data.

Societies and organisations

- F.146 1982-83. Chiefly correspondence *re* possible reprint of IGS memoir 'The geology and geophysics of coastal Tanzania' by Kent, J.A. Hunt and D.W. Johnstone (*Bibliog.* 80, 1971), and progress towards publication of the 'Chipping Norton Memoir'.

British Geological Survey

In 1984 the proposed reductions in NERC funding of the British Geological Survey for 1984-85, together with withdrawal of funds by individual Government Departments, led to serious concern for the future of the Survey. This concern was heightened by the proposed reorganisation of the NERC in its 1985 Corporate Plan. There was particular opposition to plans to administer the Survey as if it were a university-based NERC directed research institute. It was argued that this was incompatible with the Survey's role as a national body with statutory requirements for the geological mapping of the UK, whose gathering of strategic data available for public use was vital to the full development of British mineral and hydrocarbon resources. It was suggested that the Survey should be given a semi-autonomous status such as that enjoyed by the Ordnance Survey.

In response to calls for an independent review of the British Geological Survey a joint NERC/Advisory Board for the Research Councils study group into geological surveying was established under the Chairmanship of Sir Clifford Butler in October 1985 'To assess the UK needs for geological surveying over the next 5-10 years - its scale, nature and quality - having regard to the longer term prospects for public expenditure'. It received submissions from interested parties and reported in 1986.

The correspondence and papers presented here should be consulted in conjunction with those at F.171-F.180 relating to the Consultative Committee on British Support for Geological Science, established by the Institution of Geologists in November 1984, and those at F.378-F.381 *re* the Royal Society's Panel on Geological Surveying, established to liaise with the Butler study group.

- F.147 1984 May-September. Includes letter from Kent to Tam Dalyell MP outlining the funding difficulties of the Survey, 4 September.

- F.148 1984 October-December.

Societies and organisations

- F.149 1985 January. Copy of brochure prepared for 'Visit by the Permanent Secretary of the Department of Education and Science to the British Geological Survey, Keyworth on 31 January 1985'. Sent to Kent for information.
- The brochure sets out the history of the Survey, its staff and funding, and some of its activities.
- F.150 1985 January-February. Includes letter from Kent to Sir Robin Nicholson, Chief Scientific Adviser to the Cabinet Office, setting out the case for the Survey.
- F.151 1985 March. Includes final draft of 'A consultative document on a strategic plan for the British Geological Survey' by B. Kelk.
- F.152 1985 April-August. Includes correspondence with P.L. Brooke MP, Under-Secretary of State, Department of Education and Science.
- F.153 1985 June. Kent's copy of *Support of geophysics in the United Kingdom. A Working Party report* (Royal Society, London, 1985).
- F.154 1985 October-December. Includes announcement of establishment of the Butler study group.
- F.155 1985 December. Copy of NERC 'Plan 2000'.
- This Plan was formulated in response to criticism that much of Britain remained inadequately mapped geologically and set out a crash programme for the British Geological Survey to resurvey by the end of the century those areas of the UK covered by obsolete geological maps.
- F.156 1986 January-February. Includes correspondence *re* 'Plan 2000'.
- F.157-F.161 Submissions to the Butler study group.
- F.157 Kent, November 1985.

Societies and organisations

- F.158 B. Kelk, January 1986.
- D.A. Gray, January 1986.
- F.159 Geological Information Group, January 1986.
- Geological Society, January 1986.
- Institution of Geologists, January 1986.
- F.160 Institution of Mining and Metallurgy, February 1986.
- S.L. and D.T. Donovan, February 1986.
- F.161 NERC, February 1986.

INSTITUTE OF PETROLEUM

1963-85

Kent was elected a Fellow in 1963. He served on the Exploration and Production Committee 1965-66. Kent resigned from the Fellowship in 1978.

- F.162 1963-64. Membership, discussion meeting on Athabasca Tar Sands, 27 February 1964.
- F.163 1965. Contributions to summer discussion meeting on Salt Basins.
- F.164 1968-70.
- F.165 1972-78, 1985.

Societies and organisations

INSTITUTION OF GEOLOGISTS

1976-86

The Institution was founded in 1977 following a campaign by the Association for the Promotion of an Institution of Professional Geologists in the mid-1970s. Kent became a Corporate Member of the Institution at the invitation of the President in November 1979, and was elected a Fellow in 1985. Among Kent's activities on behalf of the Institution were Chairmanship of the Consultative Committee on British Support for Geological Sciences, sponsored by the Institution to lobby for the British Geological Survey, and in 1986 Chairmanship of the Joint Institution of Geologists/Geological Society Co-operation Committee, discussing possible merger of the two organisations.

The material is presented as follows:

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|-------------|--|
| F.166 | Association for the Promotion of an Institution of Professional Geologists |
| F.167-F.170 | General correspondence and papers |
| F.171-F.180 | Consultative Committee on British Support for Geological Sciences (CCGS) |
| F.181-F.183 | East Midlands Group |

Association for the Promotion of an Institution of Professional Geologists

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|-------|---|
| F.166 | 1976-77. <i>Re</i> meeting of East Midlands branch, Barnstone, Notts, 10 January 1977. Kent was Guest Speaker at the meeting. |
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General correspondence and papers

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| F.167 | 1978-80. Includes invitation to join the Institution, August 1979. |
| F.168 | 1981-84. Chiefly <i>re</i> membership. |

Societies and organisations

- F.169 1985 March, June. Item June 1985 is draft of Charter, Bylaws and Rules of the Institution, with copy of a covering letter to Geological Society *re* possible merger of the two bodies.

The Geological Society had raised the possibility of a merger between the Society and the Institution of Geologists. The Institution's initial reply included the draft Charter of the Institution and a covering letter setting out the Institution's reservations about merging.

- F.170 1985 November-1986 January. Includes notification of Kent's election as Fellow, and invitation to serve as Chairman of the Joint Institution of Geologists/Geological Society Co-operation Committee.

Consultative Committee on British Support for Geological Sciences (CCGS)

In response to the crisis believed to be facing the British Geological Survey (see F.147-F.161) the Institution of Geologists established a Working Group in November 1984 to organise the geological community's response and argue the case for maintained funding of the earth sciences. It agreed at its first meeting to widen its membership by bringing in representatives from industry and to establish itself as the Consultative Committee on British Support for Geological Science Funding for Research in the Geological Sciences. The first Chairman of the Working Group and the Committee was D.C. Ion but on his death in September 1985, Kent was invited to serve on the Committee as Chairman.

The Committee drafted a number of papers 'Geological Sciences in danger', 'Funding for research in the geological sciences' and 'Geology and Wealth: the future?' for circulation and much of the material presented here relates to the preparation and circulation of the drafts and consideration of comments received at meetings of the Committee.

For material relating to the Royal Society's Geological Survey Panel see F.378-F.381.

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|-------------------------------|------------------------------|
| F.171 1984 November | F.176 1985 December |
| F.172 1985 January -April | F.177 1986 January, February |
| F.173 1985 May, August | F.178 1986 June (1) |
| F.174 1985 September, October | F.179 1986 June (2) |
| F.175 1985 November | F.180 1986 June (3) |

Societies and organisations

East Midlands Group

- F.181 Newsletters 1982-85. Not a complete sequence.
- F.182 Membership lists 1983 and 1984.
- F.183 Papers for AGM 1986.

INTERNATIONAL TRUST FOR ZOOLOGICAL NOMENCLATURE

1969-86

The International Trust for Zoological Nomenclature was the financial agent of the International Commission for Zoological Nomenclature, founded in 1895 to maintain and develop the International Code of Zoological Nomenclature and to give rulings on particular problems of nomenclature. Kent was a member of the Trust from 1969, serving as Chairman c.1970-84. He served on the Management Committee and its Appeal Subcommittee.

- F.184 Correspondence *re* invitation to Kent to join the Trust, June 1969, with copy of 1947 Certificate of Incorporation.
- F.185-F.228 Correspondence and papers *re* general and committee meetings of the Trust 1969-86. Most of the material relates to fund-raising efforts 1980-84.

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|----------------------------------|---------------------------------|
| F.185 1969,1971 | F.194 1980 July-December |
| F.186 1972-74 | F.195 1981 January, February |
| F.187 1977-78 | F.196 1981 March-May |
| F.188 1979 January, February | F.197 1981 June |
| F.189 1979 March | F.198 1981 June, July |
| F.190 1979 April-July | F.199 1981 August-October |
| F.191 1979 September-December | F.200 1981 November,December |
| F.192 1980 January-March | F.201 1982 January-March |
| F.193 1980 April-June | F.202 1982 March |

Societies and organisations

F.203	1982 April	F.216	1983 October
F.204	1982 May, June	F.217	1983 November, December
F.205	1982 June	F.218	1984 January, February
F.206	1982 July	F.219	1984 March
F.207	1982 September, October	F.220	1984 March, April
F.208	1982 November	F.221	1984 May, June
F.209	1982 December	F.222	1984 June
F.210	1983 January, February	F.223	1984 July-October
F.211	1983 February	F.224	1985 February-April
F.212	1983 March, April	F.225	1985 June
F.213	1983 May	F.226	1985 August, October
F.214	1983 June	F.227	1986 March, May
F.215	1983 July-September	F.228	1986 June

INTERNATIONAL UNION OF GEOLOGICAL SCIENCES (IUGS)

1981-85

Kent was a member of the IUGS Endowment Committee 1968-71 and the Advisory Board for Research Development 1982-85.

The material is correspondence and papers for meetings of the Advisory Board for Research Development. This body was initially established as the Board of the IUGS Research Development Program in 1982 to 'stimulate, encourage and facilitate international research programs in the geological sciences that will advance fundamental geological knowledge and aid the solution of regional and global resource problems'. The Board was to plan and manage the scientific programme and the fund-raising campaign for the IUGS Research Trust Fund. The Board held its first meeting in January 1982 in Bonn. Its terms of reference were slightly revised, and its official title changed, after this meeting.

In 1972 IUGS and UNESCO launched a joint International Geological Correlation Programme (IGCP). Papers *re* Kent's service on the British National Committee for the IGCP are at F.367-F.377.

F.229

1981-82. Includes invitation to serve, 17 August 1981, and correspondence *re* first meeting.

Societies and organisations

- F.230 1982 January. Papers for first Board meeting, Bonn, 29-30 January. Retained in original binding.
- F.231 1982 January-August. Minutes of first meeting; correspondence.
- F.232-F.235 1983 January. Papers for third Board meeting, Paris, 20 January. 4 folders.
- F.236 1983 January, February. Kent's ms notes on proceedings and report for British National Committee for Geology; correspondence arising from the meeting.
- F.237 1983 March-November. Correspondence, chiefly *re* membership of Board.
- F.238 1984 February. Papers for fifth Board meeting, Orleans, 4-5 February. Retained in original binding.
- F.239 1984 July. Correspondence. Includes 'Report of the IUGS Advisory Board for Research Development to the IUGS Council'.
- F.240 1985 February. Papers for Board meeting, Paris, 5-6 February. Retained in original binding.

Kent was unable to attend.
- F.241 1985 February-May. Minutes of Board meeting; correspondence *re* meeting and *re* Kent's resignation from the Board in April.

Societies and organisations

INTER-UNION COMMISSION ON GEODYNAMICS

1971-74

Kent was a member of Working Group 7 ('Epeirogenic movements of regional extent') of the Commission from 1971. He served as a member of the British National Committee for Geodynamics.

F.242 1971. Invitation to serve and correspondence arising.

F.243 1972.

F.244 1973. Papers *re* proposal to establish an international oceanic tide gauge network.

F.245 1974.

IRAN SOCIETY

1970-85

Kent became a life member in 1970.

F.246 1970,1971. Membership, meetings.

F.247 1983-85. Meetings.

LAMONT-DOHERTY GEOLOGICAL OBSERVATORY

1979-86

Kent joined the Advisory Council of Lamont-Doherty Geological Observatory, Columbia University, New York, in 1979. He served two three-year terms.

F.248 1979, 1980. Invitation to serve on the Council, 12 July; correspondence arising and *re* meeting 25 October 1980.

Societies and organisations

- F.249 1981, 1982. General correspondence.
- F.250 1983 March-September. Includes correspondence *re* arrangements for meeting 14 October 1983.
- F.251 1983 October-December. Papers for meeting; correspondence arising.
- F.252 1984, 1986. Chiefly correspondence *re* and papers for meeting 1 June 1984.

LEICESTER LITERARY AND PHILOSOPHICAL SOCIETY

1974-76

Kent joined the Society in 1974.

- F.253 Membership and meetings.

LEICESTERSHIRE TRUST FOR NATURE CONSERVATION

1980

- F.254 Appeal to BP for funds to purchase Tilton Railway Cutting.

LEICESTER UNIVERSITY

1967-78

In 1967 Kent was awarded one of the first Adrian Visiting Fellowships of the University. These were established for 'distinguished men or women from industry or the public services or the arts who are willing, during the period of their association with the University, to provide general advice in their field of interest, or assist as consultants with specific research projects'.

Kent advised on aspects of geological research at the University and gave a number of lectures: 'Structural evolution of the Zagros Mountains of Iran', 16 February 1968 (D.108); 'The coastlands of East Africa. A stratigraphical and structural study', 10 May 1968 (D.108); 'The search for North Sea gas (D.109)', 22 November 1968; 'Salt mountains of the Middle East', 9 January 1970 (D.111).

/...

Societies and organisations

- /... In 1972 Kent was awarded an Honorary D.Sc. by Leicester University (A.153).
- F.255 1967 April-June. Chiefly *re* award of Fellowship.
- F.256 1967 October-December. Includes correspondence *re* 1968 lectures.
- F.257 1968 January-May. Includes material *re* Geology Department's East African Rift Valley project.
- F.258 1968 June-December. Includes 3pp typescript note by Kent on 'The university examination system', drafted for the Vice-Chancellor, 24 June.
- F.259 1969. Includes draft 'Proposals for the establishment of a planetary and space science centre in the University of Leicester', 9 October.
- F.260 1970 January, February. Includes final version of proposals for the establishment of a space science centre at Leicester.
- F.261 1970 March, April. Includes copies of Geology Department's research proposals to NERC; proposal for establishment of Honours degree Geology with geophysics by M.A. Khan, and comments thereon, including Kent's, April.
- F.262 1970 May-December.
- F.263 1971-73.
- F.264 1978. Retirement and death of Professor P.C. Sylvester-Bradley.

Societies and organisations

LINCOLNSHIRE NATURALISTS' UNION

1938-86

Kent joined the Lincolnshire Naturalists' Union in 1938. He served a number of terms as President of the Geological Section and of the Union. Kent wrote a number of articles for the Union's *Transactions* and delivered the 1970 Presidential address 'Lincolnshire geology in its regional setting' (see D.113, D.114).

- F.265 1938, 1946, 1949. Includes invitation to serve as President 1950-51.
- F.266 1964. Chiefly *re* field excursion to Lincolnshire Wolds, 27 June. Kent was a leader of the excursion.
- F.267 1965-66. Includes invitation to serve as President 1967-68 (declined).
- F.268 1967-68. Includes invitations to serve as President of the Geology Section 1967 and President of the Union 1969-70 (both accepted), and papers for meetings.
- F.269 1969 January-May. Chiefly *re* meetings.
- F.270 1969 July-October. Chiefly *re* meetings.
- F.271 1970 January-April. Chiefly *re* meetings and Kent's Presidential address.
- F.272 1970 June-December. Includes material *re* field excursion to Colsterworth, 13 June. Kent was a leader of the excursion.
- F.273 1971-75.
- F.274 1978, 1981-86. Chiefly *re* meetings and Kent's service as President of the Geological Section.

Societies and organisations

LINCOLNSHIRE TRUST FOR NATURE CONSERVATION

1964-86

The Trust was founded in 1948, as the Lincolnshire Naturalists' Trust, to work for the conservation of Lincolnshire's remaining wild areas. The material is chiefly *re* meetings.

F.275 1964-65, 1968

F.277 1973-76

F.276 1970-72

F.278 1980-86

MACROBERT AWARD EVALUATION COMMITTEE

1977-86

The MacRobert Award was administered by the Council of Engineering Institutions (later the Fellowship of Engineering) as the premier engineering award in the UK. The award, of a gold medal and prize of £25,000, was made annually on behalf of the MacRobert Trusts in recognition of outstanding contributions to engineering or technology or in the practical application of the physical sciences which contributed to the national prestige and prosperity. Kent served as a Royal Society representative on the Evaluation Committee from 1975.

Kent himself was awarded the MacRobert Award in 1970, jointly with H.R. Warman and A.N. Thomas, for surveying techniques pioneered on the Alaskan North Slope oilfields (see A.144-A.150).

The material is papers for meetings of the Committee, including submissions for the Award, press-releases

F.279 1977

F.289 1981 (4)

F.280 1978 (1)

F.290 1982 (1)

F.281 1978 (2)

F.291 1982 (2)

F.282 1978 (3)

F.292 1982 (3)

F.283 1979, 1980 (1)

F.293 1982 (4)

F.284 1980 (2)

F.294 1982 (5)

F.285 1980 (3)

F.295 1982 (6)

F.286 1981 (1)

F.296 1983 (1)

F.287 1981 (2)

F.297 1983 (2)

F.288 1981 (3)

F.298 1983 (3)

Societies and organisations

F.299	1983 (4)	F.306	1985 (3)
F.300	1983 (5)	F.307	1985 (4)
F.301	1983 (6)	F.308	1985 (5)
F.302	1984 (1)	F.309	1985 (6)
F.303	1984 (2)	F.310	1986 (1)
F.304	1985 (1)	F.311	1986 (2)
F.305	1985 (2)		

MANCHESTER MUSEUM

1983

F.312 Exchange *re* financial crisis at the Museum and its implications for the geological collections.

MARINE BIOLOGICAL ASSOCIATION OF THE UNITED KINGDOM

1978-85

Kent was a member of Council of the Marine Biological Association 1978-81.

F.313-F.317 Chiefly correspondence *re* arrangements and papers for meetings of Council 1978-81.

F.313	1978-79	F.316	1981 February-June
F.314	1980	F.317	1981 October
F.315	1981 January		

F.318 Miscellaneous later material *re* functions held by the Association, 1983-85.

Societies and organisations

NATURE CONSERVANCY

1968-73

The material is chiefly *re* the Nature Conservancy's review of its existing geological Sites of Special Scientific Interest (SSSIs) to ensure all localities of appropriate scientific interest were being protected. Kent advised on phases three and four of the review: Jurassic and Permo-Triassic sites.

- F.319 1969. Papers for meeting *re* Jurassic SSSIs, London, 7 February.
- F.320 1972 February, March. Papers for meetings *re* Permo-Triassic SSSIs, Leeds and London, February.
- F.321 1972 July-September. Correspondence with Nature Conservancy *re* possible conservation of Jurassic Ironstone quarries to be abandoned by British Steel Corporation.
- F.322, F.323 Nature Conservancy Geological Section circulars 1-8 (lacks number 6) 1968-73.

NOTTINGHAMSHIRE TRUST FOR NATURE CONSERVATION

1982-85

Kent served as President from 1984.

- F.324 1982. Includes April and September Newsletters.
- F.325 1983. Includes correspondence *re* proposed nature and archaeology trial on BP land at Eakring. This was completed after Kent's death (see A.187).
- F.326 1984 February-April. Appeal to BP; presidency of the Trust.
- F.327 1984 May-November.
- F.328 1985.

Societies and organisations

OPEN UNIVERSITY

1970-85

F.329 1970, 1971, 1973. Correspondence *re* Open University (OU) proposal for co-operative teaching project, 1970; advice on BBC programmes for OU's Earth Resources course, 1971; participation in BBC OU television programme 'Resource conflicts', broadcast 2 and 5 February 1973.

F.330 1978-79, 1985. Chiefly correspondence *re* possible BP funding for second OU Chair in Earth Sciences.

PALAEONTOLOGICAL ASSOCIATION

1963-78

Kent resigned from the Palaeontological Association in 1978.

F.331 Circulars 1963, 1972, 1976; brief correspondence *re* resignation 1978.

PAPUA AND NEW GUINEA SCIENTIFIC SOCIETY

1957

Kent was a member of Council of the Society during his period working for BP in Papua New Guinea.

F.332 Letter acknowledging resignation.

PETROLEUM EXPLORATION SOCIETY OF GREAT BRITAIN

1965-86

Kent was a founder member of the Society in 1965, and served as Chairman 1966. He became an Honorary Member in 1970.

F.333 1965. Papers *re* formation of the Society, and summer field trip to north-east England, 16-18 September. Kent was leader on the last day.

F.334 1966-67. Chiefly *re* meetings.

Societies and organisations

- F.335 1968-71.
- F.336 1972. Chiefly *re* symposium on North Sea exploration to be organised by the Society.
- F.337 1973-74, 1978-79. includes 1979 membership directory.
- F.338 1981-84. Chiefly Newsletters.
- F.339 1985. Newsletters.
- F.340 1986. Newsletters.

ROYAL INSTITUTION

1971-86

Kent was elected a member of the Royal Institution in 1971. He was appointed a Manager of the Royal Institution and Chairman of the Davy Faraday Laboratory Committee 1977-80. He was a Vice-President 1979-80. In 1980 he was asked to serve as the Royal Institution's representative on the Watt Committee on Energy (see F.392-F.410).

- F.341 1971, 1975-76. Chiefly *re* membership.
- F.342 1977. Chiefly *re* Davy Faraday Laboratory Committee.
- F.343 1978. Laboratory Committee.
- F.344 1979-86.

Societies and organisations

ROYAL SOCIETY

1968-86

Kent was elected to the Fellowship of the Royal Society in 1966 (see A.138-A.142). In 1971 he was awarded the Society's Royal Medal (A.151, A.152). Kent served on Council 1967-69 and on many committees of the Society.

The material is presented as follows:

- F.345-F.350 General and miscellaneous
- F.351-F.355 Elections, grant applications and awards
- F.356 British National Committee for Geodesy and Geophysics
- F.357 British National Committee for Geodynamics
- F.358-F.363 British National Committee for Geology
- F.364-F.366 British National Committee for ICSU
- F.367-F.377 British National Committee for IGCP
- F.378-F.381 Geological Survey Panel
- F.382-F.385 Ordnance Survey Committee
- F.386-F.389 Soirée Committee

General and miscellaneous

Includes circulars, correspondence *re* possible discussion meetings

F.345 1972, 1973.

F.346 1977-79.

Societies and organisations

- F.347 1980. Chiefly *re* proposed discussion meeting on 'Geochemical reactions' (later modified to 'Geochemistry of burial diagenesis').
- F.348 1981, 1982.
- F.349 1983, 1984. Includes correspondence *re* possible Royal Society support for Yorkshire Museum dinosaurs exhibition 1983, 1984.
- F.350 1985, 1986.

Elections, grant applications and awards

- | | |
|---------------------|---------------|
| F.351 1968, 1972-73 | F.354 1980-81 |
| F.352 1974, 1978 | F.355 1982-85 |
| F.353 1979-80 | |

British National Committee for Geodesy and Geophysics

Kent was a member of this Committee 1968-78. He served on the Seismology Subcommittee.

- F.356 1973, 1978, 1980.

British National Committee for Geodynamics

Kent was a member of this Committee 1971-80. It was dissolved after the completion of the International Geodynamics Project in 1979.

- F.357 1973, 1980. Letter 1980 *re* disbanding of Committee.

Societies and organisations

British National Committee for Geology

Kent was a member of this Committee 1968-72 and 1976-82. During his second period of service he chaired the Committee.

Chiefly correspondence *re* and papers of Committee meetings.

F.358	1973, 1977-78	F.361	1980 (1)
F.359	1979 (1)	F.362	1980 (2)
F.360	1979 (2)	F.363	1981-82, 1985

British National Committee for ICSU

Kent was a member of the British National Committee for ICSU (International Council of Scientific Unions) as Chairman of the British National Committee for Geology.

Chiefly papers of Committee meetings.

F.364	1979 (1)	F.366	1980-81
F.365	1979 (2)		

British National Committee for IGCP

The IGCP (International Geological Correlation Programme) was launched by the International Union of Geological Sciences (IUGS) (see F.229-F.241) in 1972. The chief function of the Committee was to allocate travel and other grants for projects carried out under the auspices of the Programme.

The material is presented as follows:

F.367, F.368	Committee papers
F.369-F.372	Grant Allocations Panel
F.373-F.377	Printed material

Societies and organisations

Committee papers

F.367 1975,1981 (1)

F.368 1981 (2)

Grant Allocations Panel

F.369 1979 (1)

F.371 1980-81

F.370 1979 (2)

F.372 1981

Printed material

F.373-F.375 'Geological correlation', Newsletter of the IGCP. Volumes 1-5 (1973-77) and 11 (1983). 3 folders.

F.376, F.377 Annual reports of UK contribution to the IGCP, 1976, 1980, 1981, 1983. 2 folders.

Geological Survey Panel

This was established in 1985 to liaise with the ABRC/NERC study group into geological surveying chaired by Sir Clifford Butler (see F.147-F.161 and F.171-F.180). Kent served on the Panel, which was chaired by J. Sutton.

F.378 1985 December. Letter *re* establishment of Panel; papers of first meeting, 19 December.

F.379 1986 January. Papers of second meeting, 8 January.

F.380 1986 March. Papers of meeting with Butler study group, 21 March. includes ms notes by Kent.

F.381 1986 April-July. Includes copy of the British Geological Survey's 'Plan 2000' and Kent's comments thereon.

Societies and organisations

Ordnance Survey Committee

Kent was Vice-Chairman of this Committee from 1977 until its reorganisation in 1981 as the Ordnance Survey Scientific Committee. In 1978 he chaired an *ad hoc* subcommittee established to compile the Royal Society submission to the Department of the Environment's Ordnance Survey Review (Serpell) Committee (F.382).

- F.382 1978 July. Copy of Royal Society submission to Serpell Committee, with related correspondence.
- F.383 1978 November. Papers *re* Ordnance Survey digital mapping programme.
- F.384 1979. Report on Royal Society oral evidence to Serpell Committee 7 February; papers for Committee meeting, 20 November.
- F.385 1980, 1981. Papers *re* digital mapping; papers for Committee meeting 9 December 1980; letter of thanks for service, 30 March 1981.

Soirée Committee

Kent was a member of this Committee for the period covered by the papers.

- | | | | |
|-------|----------|-------|----------|
| F.386 | 1978-80 | F.388 | 1981 (2) |
| F.387 | 1981 (1) | F.389 | 1981 (3) |

ROYAL SOCIETY OF ARTS

1970,1981

- F.390 Invitations to be nominated for election to the Fellowship 1970 and 1981.

Societies and organisations

ULSTER MUSEUM

1983

F.391 Correspondence *re* funding from industry for purchase of dinosaur skeleton.

WATT COMMITTEE ON ENERGY

1980-86

The Watt Committee on Energy was formed 'to promote and assist research and development and other scientific or technical work concerning all aspects of Energy and to disseminate knowledge generally concerning Energy for the benefit of the public at large'. It held its first meeting in April 1976. A historical account of the Committee is to be found at F.392.

Kent was appointed to the Watt Committee's Board and Executive as a representative of the Royal Institution in 1980, initially for a one year term. He was then asked to serve on the Watt Committee's Standing Committee on Finance and Business Planning, extending his period of membership.

The material is presented as follows:

F.392-F.405 AGMs, Board and Executive meetings

F.406-F.409 Consultative Council

F.410 Standing Committee on Finance and Business Planning

AGMS, Board and Executive meetings

Although Kent only served one year on the Board and Executive, he continued to receive papers for meetings as a member of the Standing Committee.

F.392 Invitation to serve, 14 March 1980, and related correspondence *re* service, 1981; copy of 'The growth of an idea (an intimate history of the Watt Committee on Energy)' by J.H. Chesters, the 1980 Wilson Campbell Memorial Lecture.

Societies and organisations

F.393-F.405 Papers for AGMs and meetings of the Board and Executive of the Watt Committee, with related correspondence.

F.393	1980 March-May	F.400	1982 June, July
F.394	1980 June	F.401	1982 September-December
F.395	1980 July-December	F.402	1983 February-May
F.396	1981 January-February	F.403	1983 June, July
F.397	1981 March-May	F.404	1984-85
F.398	1981 June-November	F.405	1986
F.399	1982 January-May		

Consultative Council

The Executive of the Watt Committee appointed Working Groups to undertake research projects for the Committee. Their work was presented in papers delivered to twice-yearly meetings of the Consultative Council of the Committee, comprising two representatives from each member institution. The results were published as Watt Committee Reports.

The papers comprise notices, agenda, synopses of presentations, lists of participants etc for meetings of the Consultative Council. Kent attended a number of these and some of the papers bear his notes and annotations.

F.406 Eighth meeting on surprise scenarios and energy policies for transport, 19 June 1980; ninth meeting on assessment of energy resources, 2 December 1980; tenth meeting on the European energy scene, 21 May 1981.

F.407 Eleventh meeting on energy and electronics, 3 December 1981; twelfth meeting on energy for survival: the energy efficient society, 9 June 1982; thirteenth meeting on nuclear energy - a professional assessment, 2 December 1982; fourteenth meeting on conversion to coal: industry, commerce and the home, 7 June 1983.

F.408 Fifteenth meeting on acid rain, 1 December 1983; sixteenth meeting on small-scale hydro-power, 5 June 1984; seventeenth meeting on the energy industry: the challenge of waste disposal, 11 June 1985.

Societies and organisations

- F.409 Eighteenth meeting on passive solar design in buildings - realising the opportunities, 23 October 1985; nineteenth meeting on air pollution, acid rain and the environment, 4 December 1985.

Standing Committee on Finance and Business Planning

- F.410 Papers for meetings 1982-83.

WORLD CULTURAL COUNCIL

1982-85

The World Cultural Council, based in Monterrey, Mexico, awarded the Albert Einstein World Award of Science and Jean Jacques Rousseau World Award of Education. Kent was nominated a member of the Interdisciplinary Committee of Honorary Presidents in 1982 and asked to help choose recipients of the Award for 1984 and 1985.

- F.411 Brief correspondence *re* nomination and information about the World Cultural Council, 1982-83.

- F.412-F.414 Albert Einstein Award 1984.

Papers *re* scientists nominated and covering letters. 3 folders.

- F.415-F.417 Albert Einstein Award 1985.

Papers *re* scientists nominated and covering letters. 3 folders.

YORKSHIRE GEOLOGICAL SOCIETY

1947-86

Kent became a life member of the Yorkshire Geological Society in 1947. He was on the Society's Council 1962-68 and served as Vice-President 1964-65 and President 1965-66. He delivered the 1965 and 1966 Presidential Addresses on 'The structure of the concealed carboniferous rocks of North-Eastern England' (D.101-D.104) and 'Outline geology of the southern North Sea Basin' (D.105). These and a number of Kent's papers were published in the *Proceedings of the Yorkshire Geological Society*. He was awarded the Society's Sorby Medal for 1973 (see A.165).

Societies and organisations

- F.418 1947, 1958, 1961.
- F.419 1962. Principally correspondence and papers *re* field excursion to north Lincolnshire, 21-23 September. Kent was a joint leader.
- F.420 1964. Includes correspondence *re* offer of Presidency to Kent and arrangements for AGM and Annual Dinner, 12 December.
- F.421 1965. Includes correspondence *re* award of Sorby Medal to G.H. Mitchell.
- F.422 1966-67. Principally correspondence and papers *re* field excursion to the Hambleton Hills area, 17-18 September 1966. Kent was a joint leader.
- F.423 1969-70.
- F.424 1971. Includes editorial correspondence.
- F.425 1972. Principally correspondence and papers *re* field excursion to Lincolnshire, 7-8 July. Kent was a joint leader.
- F.426 1972-75, 1978, 1980. Includes 1972 membership list.
- F.427 1982-86. Includes correspondence *re* Presidency.

SECTION G

COMMERCIAL CONSULTANCIES AND COMPANIES

G.1-G.267

G.1-G.20 BRITISH PETROLEUM (BP)

G.21-G.226 LONDON AND SCOTTISH MARINE OIL (LASMO)

G.227-G.264 THE MINWORTH GROUP

G.265-G.267 MISCELLANEOUS

G.265 The Guthrie Corporation Ltd

G.266 Royal American Petroleum Corporation

G.267 Wimpey Laboratories Ltd

Commercial consultancies and companies

BRITISH PETROLEUM (BP)

Kent spent his working career with the Anglo-Iranian Oil Company/BP. He was a Geologist with Anglo-Iranian 1936-41, and with BP 1946-55. In 1956 he was appointed Chief Geologist of BP's subsidiary Australasian Petroleum, in 1957 Adviser to the President of BP Exploration (Canada) and was appointed President of BP Exploration (Alaska) in 1959. On his return to the UK Kent became Deputy Chief Geologist 1961, Regional Manager North and South America 1962, Technical and Regional Manager Western Hemisphere and America 1963, Chief Geologist 1966 and Assistant General Manager, Exploration 1971. He retired from BP in 1973 but was offered a contract as Consultant to the Exploration and Production Department, with particular reference to Iran, in June 1973. His position as member of the Exploration Advisory Group in Iran (see B.291-B.339) was part of this consultancy. In June 1978 his contract was altered to exclude the northern Irish Sea and North Sea where Kent saw a potential clash of interests between his BP consultancy and his LASMO Directorships.

Kent's survey work for the company is to be found in section B. However, his later managerial duties for BP are poorly documented; much of the material presented here relates to his consultancy with BP after his retirement.

- G.1-G.6 'Exploration Policy'. Contents of Kent's folder so labelled divided into six for ease of reference: typescript memoranda and papers.
- G.1 'Oil prospects of the continental shelf throughout the world' by G.M. Lees, 10pp, 1 March 1946; list of 'Countries in which BP has participated in exploration work since 1951', 11 February 1969.
- G.2 Miscellaneous papers *re* exploration policy criteria 1969, including 'The economics of exploration for BP' by A.J. Bromley, 6pp + appendix, 8 October, with Kent's comments thereon.
- G.3 'Exploration review 1970' by Kent, 16pp typescript, February 1970; 'Future level of exploration activity' by H.R. Warman, 2pp, 17 September 1970; 'Geological Division - Establishment' by Kent, 3pp + appendices, 3 November 1970.
- G.4 'BP projected crude oil production to the year 2000', 3pp + tables, 20 November 1970; 'World crude availability: some long term projections', 2pp + figures, c.1970.

Commercial consultancies and companies

- G.5 'The urgent need to increase exploration' by F.H. Mann, 3pp, 23 May 1972; drafts of sections for BP's 'Ten-year Look Ahead', September 1972. Kent drafted section 'III Requirements of exploration policy 1972-1982', 7pp.
- G.6 Miscellaneous papers *re* exploration policy 1972-73, including note on exploration in Europe by A.F.M. Matthews, 6pp, 20 November 1972, annotated by Kent; 'The status of BP's exploration' by Kent, 2pp, 7 December 1972; and undated draft letter *re* salaries of scientific staff.
- G.7-G.13 'BP General'. Contents of Kent's folder so inscribed divided into seven for ease of reference.
- G.7 Handbook for residential course for BP managers 6-25 October 1963. Kent is listed as a speaker on 'Exploration' for 10 October.
- G.8 BP management press summaries for 12, 16 and 19 September 1969.
- G.9 Information on holdings of CFP (Compagnie Française des Pétroles) worldwide sent to Kent March 1971.
- G.10 Miscellaneous material *re* North Sea 1971.
- G.11 'Exploration and Production Forecast 1973-1977', 3 January 1973.
- G.12 Miscellaneous material 1974-75, 1981-82. Includes typescript notes by Kent on 'Oil prospects of northern Italy - posthumous comment', 7 April and 'Oil maturation hypothesis', 23 May 1975.
- G.13 Correspondence and papers *re* *The History of the British Petroleum Company*. Kent reviewed 'Volume I. The developing years 1901-1932', published by Cambridge University Press in 1982, for the *BP Explorer* magazine.
- Includes synopsis of the history with chapter headings for volume one, and 2pp typescript draft of Kent's review.

Commercial consultancies and companies

- G.14-G.20 Correspondence and papers *re* consultancy, 1973-86, chiefly *re* terms, fees etc.
- G.14 1973-74. Correspondence *re* terms and activities of consultancy. Includes 'The prospectiveness of continental margins' by Kent, 5pp typescript + figures, written for BP October 1974.
- G.15 1976-77. Includes note on 'Southern North Sea - Pre-Permian prospects' by Kent, 2pp typescript, 17 November 1977, and draft 'Review of geological reports on the East Midlands' by Kent, 10pp typescript, November 1977.
- G.16 1978-79.
- G.17 1980. Includes 'Exploration of Lower Carboniferous Dolomites' by Kent, 3pp typescript, 3 January.
- G.18 1981. Includes draft review 'Deep reservoirs in South Dorset' by Kent, 5pp typescript with extensive ms correction, March; papers for BP exploration seminar, London, 23-24 November; 'Comment on "Prospects of the Eakring oilfield" [by] D.J. Antia 1981' by Kent, 3pp typescript, 16 December.
- G.19 1983-84.
- G.20 1985-86. Includes photographs from visit to Wytch Farm, Dorset, 15 May 1985.

Commercial consultancies and companies

LONDON AND SCOTTISH MARINE OIL (LASMO)

Kent was appointed Consultant to LASMO 1 August and non-executive Director 27 September 1977. He retired from the Board in April 1983 but was retained as Consultant to 1984.

He advised on exploration strategy and policy in general terms as well as offering advice on specific prospects under consideration by LASMO and also played an important part in LASMO commercial policy such as advising on the Sixth and Seventh Rounds of applications for North Sea concessions.

During the period covered by Kent's service with LASMO the company grew rapidly. In 1978 the annual production of oil and gas liquids was 0.39 million barrels, in 1983 it was 12 million barrels, with gross sales increasing from £5 million to £215 million in the same period. It expanded its holdings from the North Sea to include interests in Australia, the Middle East, Indonesia, the Philippines and the USA.

The material is presented as follows:

G.21-G.26	Appointment, terms etc
G.27-G.77	Correspondence, memoranda and papers
G.78-G.184	Board and General Meetings
G.185-G.190	Press-cuttings
G.191-G.226	Charlton Thermosystems Ltd

Appointment, terms etc

G.21	Correspondence <i>re</i> appointment 1977.
G.22	Correspondence <i>re</i> terms and conditions of service, retirement from Board 1978-84.

Commercial consultancies and companies

G.23-G.25 Payment of consultancy and Director's fees and expenses.

G.23 1977-79

G.25 1982-84

G.24 1980-81

G.26 Miscellaneous and personal correspondence.

Correspondence, memoranda and papers

The material is papers sent to Kent as Consultant and Director 1977-83. It is arranged chronologically with an indication of the principal subjects covered by the papers. Among the subjects covered are LASMO - Ranger Oil cooperation in the North Sea Ninian oil field and the 1982 LASMO acquisition of the non-US gas and oil interests of the Hudson's Bay Oil & Gas International. This expanded LASMO holdings worldwide, particularly in Indonesia (with BP) and Australia, and added to existing interests.

This material should be consulted in conjunction with papers of Board meetings presented at G.78-G.176.

G.27 1977 August, September. Well 23/27 (Ninian field), Guatemala.

G.28 1977 October, November. North Sea, cooperation with Ranger Oil, Guatemala.

G.29 1977 December. Sixth Round North Sea exploration licence applications, hydrothermal resources in Arabia.

G.30 1978 January, February. Sixth Round cooperation with Ranger Oil and BNOC.

G.31 1978 March. Visit to BNOC Glasgow Office, exploration policy.

G.32 1978 April, May. Sixth Round licences.

Commercial consultancies and companies

- G.33 1978 June (1). Oil prospects off Ireland.
- G.34 1978 June (2). Visit to Ranger Oil (Canada) Ltd, Calgary, 21-29 June.
- G.35 1978 July (1). Ninian field.
- G.36 1978 July (2). Exploration policy.
- G.37 1978 August. Ninian field.
- G.38 1978 September, October. Exploration in the Reed Bank off the Philippines.
- G.39 1978 December. Ninian field.
- G.40 1979 January (1). Ninian field, cooperation with BNOC *re* deep-water drilling in Rockall Trough.
- G.41 1979 January (2). Deep-water drilling.
- G.42 1979 February. Deep-water drilling, LASMO corporate strategy.
- G.43 1979 March, April. Visits to BP Petroleum Development Co., Aberdeen, March, and to P&O Oil Corporation, Houston, Texas, 5-6 April.
- G.44 1979 May-July. Reed Bank, Sixth Round applications, exploration policy, Seventh Round prospects.
- G.45 1979 August, September. Meeting on LASMO holdings in UK and overseas waters.

Commercial consultancies and companies

- G.46 1979 October. Interests of Hercules in North Sea, Seventh Round, 'Farm out' of BNOC holdings in North Sea.
- G.47 1979 November. Seventh Round.
- G.48 1979 December. Seventh Round.
- G.49 1980 January (1). Acquisition of Ranger Oil (UK) properties, Seventh Round.
- G.50 1980 January (2). Representation of LASMO in Far East.
- G.51 1980 February-April. Seventh Round negotiations, Persian Gulf wells.
- G.52 1980 April. Ninian field.
- G.53 1980 May (1). Seventh Round, meeting at Department of Energy, 20 May.
- G.54 1980 May (2). Seventh Round.
- G.55 1980 June (1). Seventh Round.
- G.56 1980 June (2). Visit of LASMO Directors to Ninian field, 27-28 June.
- G.57 1980 July. Gabon, Seventh Round, acquisition of Bates Oil Co, technical data on block 22/2.
- G.58 1980 August, September. Possible takeover of Hamilton Bros' UK interests, acquisition of Coparex Norge A.S., sales of crude oil.

Commercial consultancies and companies

- G.59 1980 October-December. Seventh Round.
- G.60 1981 January. Oil taxation, Danish offshore exploration, Seventh Round awards.
- G.61 1981 February. Umm al Quwain, LASMO reorganisation, dividend policy.
- G.62 1981 March-April. Seventh Round awards, LASMO organisation, effect of the Budget on LASMO, Gabon, Eighth Round.
- G.62A 1981 April. Prospect summary.
- G.63 1981 May-June. Nigeria, development of T-Block in North Sea in cooperation with Phillips Petroleum Co., possible LASMO rights issue, 1981 budget.
- G.64 1981 July (1). T-Block.
- G.65 1981 July (2). Cousland (Mid-Lothian) onshore licence, visit to Calgary, Canada for Third International Conference on Arctic Geology and Petroleum prospects, 18 June - 1 July, Norwegian offshore exploration, Texas
- G.66 1981 September, October. Wytch Farm, BRINDEX (Association of British Independent Oil Exploration Companies) submission to Chancellor of the Exchequer *re* taxation of oil companies.
- G.67 1981 November, December. Possible acquisition of Berkeley Exploration & Production Ltd and Frontier Oil, Eighth Round, finance of Bates Oil Co., financial results for 1981.
- G.68 1982 January-March. Eighth Round, Cousland licence, expansion in USA, oil taxation, well 3/27-1.

Commercial consultancies and companies

- G.69 1982 April, May. Acquisition of non-US interests of Hudson's Bay Oil & Gas International (Hudbay), Indonesian interests.
- G.70 1982 June, July. Equatorial Guinea, Hudbay acquisition, Indonesia.
- G.71 1982 August (1). Hudbay acquisition.
- G.72 1982 August (2). Hudbay acquisition, Pena Creek field, Texas, LASMO strategic assessment.
- G.73 1982 August (3). Hudbay acquisition.
- G.74 1982 September. Eighth Round.
- G.75 1982 October-December. Canada, production forecast, Hudbay acquisition.
- G.76 1983 January, February. Beatrice field.
- G.77 1983 April, May, July. Exploration guidelines, exploration in Canada.

Board and General Meetings

The material is presented as follows:

G.78-G.176 Board Meetings

G.177-G.184 General Meetings

Commercial consultancies and companies

Board Meetings

Papers of monthly meetings of Board of Directors and committees, some annotated by Kent. From May 1980 some Board papers were presented in spiral bound volumes.

G.78	1977 July	G.97	1979 February
G.79	1977 September	G.98	1979 March
G.80	1977 October	G.99	1979 April
G.81	1977 November	G.100	1979 May
G.82	1977 December (1)	G.101	1979 June
G.83	1977 December (2)	G.102	1979 July
G.84	1978 January	G.103	1979 August
G.85	1978 February	G.104	1979 September (1)
G.86	1978 March (cancelled)	G.105	1979 September (2)
G.87	1978 April	G.106	1979 October (1)
G.88	1978 May	G.107	1979 October (2)
G.89	1978 June	G.108	1979 November (1)
G.90	1978 July	G.109	1979 November (2)
G.91	1978 August	G.110	1979 November (3)
G.92	1978 October (1)	G.111	1979 December
G.93	1978 October (2)	G.112	1980 January
G.94	1978 November	G.113	1980 February
G.95	1978 December	G.114	1980 March
G.96	1979 January	G.115	1980 April

Commercial consultancies and companies

G.116	1980 May (1)	G.143	1981 September
G.117	1980 May (2)	G.144	1981 October
G.118	1980 June (1)	G.145	1981 November (1)
G.119	1980 June (2)	G.146	1981 November (2)
G.120	1980 July	G.147	1981 December (1)
G.121	1980 August	G.148	1981 December (2)
G.122	1980 September (1)	G.149	1981 December (3)
G.123	1980 September (2)	G.150	1982 January (1)
G.124	1980 October	G.151	1982 January (2)
G.125	1980 November (1)	G.152	1982 February (1)
G.126	1980 November (2)	G.153	1982 February (2)
G.127	1980 December (1)	G.154	1982 March (1)
G.128	1980 December (2)	G.155	1982 March (2)
G.129	1981 January	G.156	1982 April (1)
G.130	1981 February (1)	G.157	1982 April (2)
G.131	1981 February (2)	G.158	1982 May (1)
G.132	1981 March (1)	G.159	1982 May (2)
G.133	1981 March (2)	G.160	1982 June (1)
G.134	1981 April	G.161	1982 June (2)
G.135	1981 May (1)	G.162	1982 July (1)
G.136	1981 May (2)	G.163	1982 July (2)
G.137	1981 June (1)	G.164	1982 August (1)
G.138	1981 June (2)	G.165	1982 August (2)
G.139	1981 July (1)	G.166	1982 September (1)
G.140	1981 July (2)	G.167	1982 September (2)
G.141	1981 August (1)	G.168	1982 September (3)
G.142	1981 August (2)	G.169	1982 October (1)

Commercial consultancies and companies

G.170	1982 October (2)	G.174	1983 March (1)
G.171	1982 November	G.175	1983 March (2)
G.172	1982 December	G.176	1983 April
G.173	1983 January, February		

General meetings

Papers for Annual General Meetings and Extraordinary General Meetings.

G.177	AGM April 1979	G.181	AGM & EGM May 1982
G.178	EGM November 1979	G.182	EGM September 1982
G.179	AGM & EGM May 1980	G.183	EGM March 1983
G.180	AGM April 1981	G.184	AGM & EGM April 1983

Press-cuttings

G.185-G.190	Contents of Kent's envelope: photocopies of press-cuttings, press-releases and company assessments 1982-83. The subject most extensively covered is the £43.6 million rights issue of March 1983. 6 folders.
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Charlton Thermosystems Ltd

Charlton Thermosystems Ltd was a small company set up to manufacture and market electrical inventions of Mr John Charlton of Romsey, Hants. Kent was introduced to the company by a fellow Director of LASMO. In March 1980 he and J. Stephen, a physicist from the Atomic Energy Research Establishment, Harwell, visited Mr Charlton for a demonstration of one of his most promising inventions, the Charlton Energy Unit. This was a system of heating which involved passing a low-voltage current through a cable buried in earth or concrete.

Kent and Stephen reported favourably on the invention and LASMO decided to invest in the invention. On the issue of shares in the company in April 1980 LASMO took a 20% share-holding and lent it £240,000. Kent, as the

Commercial consultancies and companies

only scientist on the LASMO Board was appointed an Alternate Director of Charlton Thermosystems. However the company failed to break even and in May 1983 it ceased to operate as an independent company, becoming a wholly owned subsidiary of LASMO.

The material is presented as follows:

G.191-G.206 General correspondence and papers

G.207-G.226 Board and General Meetings

General correspondence and papers

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| G.191 | October 1979, March 1980. Chiefly <i>re</i> visit of Kent and J. Stephen to inspect the Charlton heating unit, March 1980. |
| | |
| G.192 | April 1980 (1). LASMO investment in the company, April 1980. |
| | |
| G.193 | April 1980 (2). LASMO investment, April 1980. |
| | |
| G.194 | May, June 1980. Central Office of Information film on the heating unit, staff, assessment of the heating unit.. |
| | |
| G.195 | July-September 1980. Patenting the heating unit, forming joint company in the Republic of Ireland. |
| | |
| G.196 | October, December 1980. Patenting of and tests on the heating unit. |
| | |
| G.197 | January, February 1981. Tests on heating unit transformer, patenting. |
| | |
| G.198 | May-November 1981. Patenting. |
| | |
| G.199 | March 1982. Patenting. |

Commercial consultancies and companies

- G.200 May-July 1982. Approach to British Rail, accounts.
- G.201-G.203 January 1983. Report on Charlton Thermosystems, 24 January. 3 folders.
- G.204 January-May 1983. Chiefly *re* visit by Kent to Charlton Thermosystems, 9 February, and company problems. Folder also includes 4pp typescript account by Kent of 'The Heat that failed - Charlton Thermosystems Ltd., 1980-1983'.
- G.205 Nd.
- G.206 'Charlton Thermosystems (Romsey) Ltd Briefing Notes' for LASMO Board after its takeover.

Board and General Meetings

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|------------------------|------------------------------|
| G.207 1980 May | G.217 1981 April |
| G.208 1980 June, July | G.218 1981 May |
| G.209 1980 August | G.219 1981 June |
| G.210 1980 October | G.220 1981 July |
| G.211 1980 November | G.221 1981 August |
| G.212 1980 December | G.222 1981 October, December |
| G.213 1981 January (1) | G.223 1982 January |
| G.214 1981 January (2) | G.224 1982 May |
| G.215 1981 February | G.225 1983 May, August |
| G.216 1981 March | G.226 1984 November |

Commercial consultancies and companies

THE MINWORTH GROUP

The material is presented as follows:

G.227-G.245	Minworth Ltd
G.246-G.264	Strontian Minerals Ltd

Minworth Ltd

Minworth Ltd was the controlling body of the Minworth Group of companies. It operated by bringing the commercial projects of Minworth companies to a viable mature stage and then seeking outside minority participation for further investment.

Kent was appointed a Director of Minworth Ltd in 1982. He was offered the Chairmanship in May 1982, on this occasion declining, and in June 1983, when he accepted. Kent was involved in Minworth's re-opening of the Strontian barytes mine in Argyll to supply the North Sea gas and oil rigs with barytes and was appointed Chairman of Strontian Minerals Ltd, a subsidiary established to run this operation (G.246-G.264).

The material is presented as follows:

G.227-G.233	General correspondence and papers
G.234-G.245	Board and General meetings

General correspondence and papers

G.227	1982. Includes invitation to serve as Chairman and draft of Kent's letter declining.
G.228	1983 January-July. Includes correspondence <i>re</i> Chairmanship, and <i>re</i> Kent's efforts on behalf of Strontian Minerals.
G.229	1983 July-December. Includes plan of mines development in Weardale, 22 July 1983.

Commercial consultancies and companies

- G.230 1984. Chiefly *re* sales of barytes of Strontian Minerals.
- G.231 1984-85.
- G.232 1985-86, nd.
- G.233 Softback pocket notebook used for notes on Minworth interests and policy from 1983. Most pages not used.

Board and General meetings

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|-------------------------|----------------------|
| G.234 1983 | G.240 1984 September |
| G.235 1984 January | G.241 1984 December |
| G.236 1984 March | G.242 1985 February |
| G.237 1984 May | G.243 1985 August |
| G.238 1984 July (Board) | G.244 1985 November |
| G.239 1984 July (AGM) | G.245 1986 July |

Strontian Minerals Ltd

In 1982 the Minworth Group established a subsidiary company to mine and process barytes, barium sulphate, at Strontian in Argyllshire. Barytes is the major constituent of drilling fluids and it was hoped to win contracts with the North Sea oil and gas industries hitherto dependent on foreign supplies. Kent was appointed a Director of Strontian in July 1983 and Chairman of the Board in September 1983. He resigned from the Board in May 1986.

The material is presented as follows:

- G.246-G.250 General correspondence and papers
- G.251-G.264 Board meetings

Commercial consultancies and companies

General correspondence and papers

- G.246 1982 February. 'Project appraisal and financing proposals in respect of the mining of barytes...' by P.W. Mason, Managing Director, Minworth Ltd.
- G.247 1982 November, 1983.
- G.248 1984 April-July.
- G.249 1984 August-October.
- G.250 1985-86, nd. Includes Kent's letter of resignation from the Board, 10 May 1986.

Board meetings

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|----------------------------|-------------------------------|
| G.251 1983 July (1) | G.258 1984 September |
| G.252 1983 July (2) | G.259 1984 October, November |
| G.253 1983 September | G.260 1984 December |
| G.254 1983 November | G.261 1985 February |
| G.255 1984 January | G.262 1985 May |
| G.256 1984 February, March | G.263 1985 September, October |
| G.257 1984 June | G.264 1986 January |

Commercial consultancies and companies

MISCELLANEOUS

The Guthrie Corporation Ltd

G.265 Invitation to serve as Consultant *re* North Sea, 10 March 1981 (declined).

Royal American Petroleum Corporation

G.266 *Re* Directorship, November 1983.

Wimpey Laboratories Ltd

Kent advised Wimpey Laboratories (acting for the Central Electricity Generating Board) on earthquake risk assessment, 1983.

G.267 Brief correspondence, September-November 1983; background information.

SECTION H VISITS AND CONFERENCES

H.1-H.159

Not all of Kent's extensive travel and attendance at meetings and conferences is documented in this section. Kent's overseas research and survey work for BP is documented in section B. His visit to East Africa with the East African Archaeological Expedition led by L.S.B. Leakey, 1934-35, is documented at A.53-A.102. The visit for which most documentation survives is the 1968 International Geological Congress held in Prague. The proceedings were cut short by the Warsaw Pact invasion of Czechoslovakia and the Soviet occupation of Prague. Kent was leader of the UK delegation. The material includes accounts of the events by Kent and his wife, and memorabilia.

The presentation is chronological as far as possible. Material relating to invitations either declined or for which there is no evidence of acceptance is placed at the end of the sequence for each year.

Where applicable reference has been made to the bibliography in the Royal Society memoir of Kent (A.1) in the form *Bibliog.* ...

1951

- H.1 Third World Petroleum Congress, The Hague, 28 May - 6 June.
Brief correspondence *re* arrangements.

1952

- H.2 International Geological Congress, Tunis, September.
Letter *re* flight back to London. Not otherwise documented.

Visits and conferences

1953

H.3-H.5 Inter-University Geological Congress, Nottingham, 30 December - 4 January 1954.

G.M. Lees was to speak on 'Earth contraction is the causal mechanism of mountain-building' but the paper was presented by Kent in Lees' absence.

H.3 Brief correspondence; 5pp typescript draft 'The Shrinking Earth and the impermanence of ocean basins' by Kent, commenting on the points raised by the discussion of Lees' paper.

H.4, H.5 'The evolution of a shrinking Earth...' by Lees, 92pp typescript with ms highlighting and correction. A covering page is annotated 'Paper read to the Inter-Universities Congress (by PEK) on behalf of Dr G.M. Lees, in 1953. A pre-Plate tectonics appraisal'. At the end of the draft are ms notes (?from post presentation discussion).

1955

H.6 Fourth World Petroleum Congress, Rome.

Kent spoke on 'Igneous rocks in the oilfields of the English Midlands'.

Draft of Kent's contribution, 9pp typescript + summary and figures.

1956

H.7-H.10 Twentieth International Geological Congress, Mexico City, 4-11 September.

Kent attended this Congress on behalf of BP whilst working in Papua New Guinea. He remained in Mexico after the Congress until 24 September. He visited Fiji on his way back to Papua.

H.7 Circulars.

H.8 Correspondence *re* arrangements and payment of expenses; proposed itinerary.

Visits and conferences

- H.9 'Oil prospects of southwest Mexico (Chiapas)', 3pp typescript photostat copy; annotated typescript list of slides on Mexican geology for '[?Papua and New Guinea] Scientific Society: Wednesday 13/2/57', with brief summary of Kent's lecture 'A geologist in Mexico' given to Papua and New Guinea Scientific Society 15 February 1957.
- H.10 Printed memorabilia.
- 1961**
- H.11 Visit to New Zealand, November.
- 'Geological reconnaissance of parts of New Zealand...Suggested itinerary for Dr Kent'. Not otherwise documented.
- 1964**
- H.12 International Convention (including 49th Annual Meeting of the American Association of Petroleum Geologists), Toronto, 18-21 May.
- Kent attended this Convention on behalf of BP. He spoke on the 'Basis of exploration in the North Sea' (with A.F.M. Matthews). See also B.192.
- Annotated programme; draft of Kent and Matthews' contribution, 12pp typescript with ms annotation.
- 1966**
- H.13-H.16 American Association of Petroleum Geologists Annual Meeting, St Louis, Missouri, 25-28 April.
- Kent spoke on 'The progress of exploration in the North Sea'. This was published as *Bibliog.* 60, 1967.
- H.13 Press-release; notebook containing Kent's ms notes on proceedings; brief correspondence *re* publication of Kent's contribution.

Visits and conferences

H.14 Draft of Kent's contribution, 10pp typescript with ms annotation.

H.15, H.16 Figures for slides for the presentation. 2 folders.

1967

H.17 Australian Petroleum Exploration Association Conference, Sydney, 12-15 March.

Annotated programme; ms notes on visit to Australia. See also B.427.

H.18 British Association meeting, September.

Kent was joint leader of Excursion C.3 to North Lincolnshire with P.F. Rawson, 2 September.

Correspondence *re* excursion; duplicated typescript notes for excursion (*Bibliog.* no. 57).

H.19 [?Inter] University [?Geological] Congress, Hull.

Kent spoke on 'Geological problems in North Sea exploration'. This was published as *Bibliog.* 65, 1968.

Draft of Kent's contribution, 12pp typescript.

1968

H.20 Brighton, May.

Ms notes for lecture on 'North Sea exploration' by Kent, annotated 'Brighton Conference 1968 DWK Barker, Chairman 6/5/68'.

Visits and conferences

- H.21-H.42 Twenty-third International Geological Congress, Prague, 19-23 August.
- Kent was the official delegate of the Institute of Petroleum and head of the UK Delegation and was accompanied by his wife, M.B. Kent.
- The Congress was interrupted on 21 August by the Warsaw Pact invasion of Czechoslovakia and the occupation of Prague by Soviet troops. There was some discussion whether to continue the Congress, Kent among those arguing it should not be abandoned. The members of the Congress voted to continue the meeting and did so for two more days. The Technical University, in which the Congress was held, was by that time the only sizeable building in Prague still in Czechoslovak hands. The Congress ended on 23 August, one day early, and the UK delegation was bussed out of the country (taking a number of non-British participants with it).
- Kent wrote accounts of the meeting for the Royal Society, for a presentation on the Congress at the Geological Society on 11 December 1968, and for the Geological Newsletter of the International Union of Geological Sciences (*Bibliog.* 70, 1969).
- H.21, H.22 Correspondence *re* arrangements, 2 folders.
- H.23 Third circular; provisional list of participants.
- H.24 Kent's ms notes of pre-Congress 'Field-trip in Slovakia'.
- H.25 Papers for business meetings at the Congress.
- H.26 Kent's ms 'Notes taken at Emergency Meetings, Prague 1968'.
- H.27-H.31 Contents of Kent's folder divided into five for ease of reference: memorabilia relating to the pre-Congress excursion, the Congress and events following the invasion of Czechoslovakia. At H.31 is Kent's valedictory message to Czechoslovak colleagues issued on behalf of the UK delegates.
- H.27 Poster, press-cuttings, badges.
- H.28 'Excursion'. Memorabilia from pre-Congress field trip.

Visits and conferences

- H.29 'Delegation'. Memorabilia from Congress proceedings.
- H.30 'Invasion'.
- H.31 'Evacuation'. Includes press-cuttings. Comments of Kent's reported in *The Times* 27 August appeared to minimize the impact of the Soviet action. Kent wrote a Letter to the paper to correct this impression (see H.32).
- H.32-H.37 Correspondence and papers arising from the Warsaw Pact invasion and disruption of the Congress.
- H.32 1968 August, September. Includes Kent's report on the Congress to the Royal Society; letters from Kent to the President of the Royal Society calling for a protest to the Soviet Academy of Sciences and to the President of the Institute of Petroleum advocating an end to preparations for the next World Petroleum Congress (due to be held in Moscow in 1971) 27 August; and Letter to *The Times*, September, in response to reported remarks of his in *The Times* of 27 August (see H.31) that 'the International Geological Congress continued normally in Prague through the coup'.
- H.33 1968 October (1). Includes material *re* Conference on the Czechoslovak crisis, Brighton, 14-16 October sent to Kent by St.J. Bates, conference organiser.
- H.34 1968 October (2). Includes ms and typescript draft 'Prague and the Russian invasion' by Kent and his wife, M.B. Kent.
- H.35 1968 November. Includes account of the Congress by J.B. Eby, 11pp typescript.
- H.36 1968 December. Chiefly *re* presentation on the Congress held at the Geological Society, 11 December. Includes 'Prague - August 1968' by Kent, 8pp typescript. This was subsequently published in the 'Geological Bulletin' of the International Union of Geological Sciences
- H.37 1969. Includes shortened version of Kent's presentation, sent to the Royal Society, 7 January, and photographs taken during the Congress.

Visits and conferences

H.38-H.42 Miscellaneous printed material.

H.38 Pamphlets etc.

H.39-H.42 Newspaper cuttings July-October 1968. 4 folders.

Kent had begun collecting newspaper cuttings on the crisis before he left for the Congress. At H.39 is copy of 'underground' Czechoslovak newspaper dated 24 August.

1969

H.43 Geological Society meeting, 15 October.

Comments by Kent on paper 'Marine geological survey off the north east coast of England' presented by Dingle.

H.44-H.46 American Association of Petroleum Geologists Annual Meeting, Dallas.

Kent and P.J. Walmsley presented a paper 'North Sea progress'. This was published as *Bibliog.* 74, 1970.

H.44 Typescript and ms draft of Kent and Walmsley's contribution as delivered + 'Preliminary list of slides'; 14pp duplicated typescript + references and list of figures ?as submitted for publication.

H.45, H.46 Figures for slides. 2 folders.

H.47, H.48 'I.P./A.A.P.G. Brighton 1969'.

Kent spoke on 'The geological framework of petroleum exploration in Europe and North Africa'.

H.47 'Lecture copy' of Kent's contribution, 16pp typescript with ms corrections + bibliography.

H.48 Figures.

Visits and conferences

1970

- H.49 Offshore Symposium, 9-11 March.
- Kent spoke on 'BP offshore concessions - past and present'.
- Kent's contribution, 8pp typescript.
-
- H.50-H.52 American Association of Petroleum Geologists Annual Meeting, Calgary, Alberta, June.
- Kent spoke on 'Worldwide developments in the exploration field'.
-
- H.50 Correspondence with fellow participants; copy of report on Kent's contribution from *Oil and Gas Journal*, 30 November 1970.
-
- H.51 Kent's contribution, 12pp typescript, with ms list of slides.
-
- H.52 Figures for slides.

1971

- H.53 American Association of Petroleum Geologists Arctic Conference, San Francisco, February.
- Kent's ms notes on proceedings.

Invitations for 1971

- H.54 National Conference on Earth Science on the Geology and Evolution of Continental Margins, Banff, Alberta, 3-7 May.
- Geological Society of America and its Associated Societies Annual Meeting, Washington DC, 1-3 November.

Visits and conferences

1972

H.55, H.56 Alberta Society of Petroleum Geologists Annual Meeting, Calgary, 20 January.

Kent was Guest Speaker and spoke on 'Recollections of a Field Geologist'.

H.55 Correspondence *re* arrangements; report of Kent's lecture from *Oilweek*, 31 January; programme.

H.56 Typescript and ms draft of Kent's contribution; ms list of slides.

H.57 NATO Conference, Newcastle upon Tyne, April.

Kent spoke on 'East African evidence of the palaeoposition of Madagascar' and 'The continental margin of Tanzania'. These were published as *Bibliog.* 85 and 86, 1973.

Correspondence *re* Kent's contributions; list of ?slides; typescript copies of Kent's contributions as prepared for publication.

H.58 Twenty-fourth International Geological Congress, August.

Kent spoke on 'An environmental review of the world's richest oil-bearing region - the Middle East' (with H.R. Warman). This was published as *Bibliog.* 82, 1972.

List of slides for Kent's contribution only.

1973

H.59, H.60 Twentieth Inter-University Geological Congress, Keele, 2-5 January. Kent spoke on 'Deep exploration of sedimentary basins and continental shelves'.

H.59 Brief correspondence *re* arrangements; programme; list of participants.

H.60 Outline and summary of Kent's contribution; photocopied ms list of slides.

Visits and conferences

- H.61-H.65 Visit to Australia, New Zealand and USA, 14 March - 8 May.
- Kent left on this lecturing tour two days after his Farewell Party at BP. His principal engagement was the Australian Petroleum Exploration Association Conference, Canberra, 26-28 March at which he was keynote speaker on 'The Geology and Geophysics in the discovery of giant oilfields'. Kent delivered lectures on the North Sea in Adelaide, 21 March, Wellington (Royal Society of New Zealand), 19 April, and New York (Petroleum Exploration Society of New York), 18 May. He also lectured on oil and gas exploration in Iran, Alaska and the North Sea in Wellington (BP New Zealand), 17 April. In the course of his tour Kent visited colleagues at research centres in Australia, New Zealand and USA.
- H.61 Itinerary.
- H.62 Correspondence *re* arrangements for visit to Australia and the APEA Conference.
- H.63 List of slides for Adelaide lecture; Kent's contribution to APEA Conference, 15pp typescript + list of slides.
- H.64 Correspondence *re* arrangements to visit New Zealand and USA; itinerary.
- H.65 Lists of invitees and participants at various functions; notice of lecture to BP New Zealand; lists of slides for New Zealand lectures; memos on 'New Zealand prospects' etc prepared by Kent on his return.
- H.66 Geological Society Marine Studies Group Discussion Meeting on Some Scientific Objectives for Drilling and Coring at Sea, London, 16 May.
- Kent spoke on 'The continental margin in petroleum exploration'.
- Correspondence *re* arrangements; programme; ms notes; summary of Kent's contribution.
- H.67, H.68 British Association Annual Meeting, Canterbury, Kent, 20-24 August.
- Kent was President of Section C (Geology) and delivered the Presidential Address on 'The stratigraphy and tectonics of salt'.

Visits and conferences

- H.67 Programme; tickets etc for social events.
- H.68 Summary of Kent's contribution, 3pp typescript with ms draft of introduction welcoming Sir Kingsley Dunham, President of the British Association to the lecture; ms notes; typescript notes for field excursions.
- H.69 Royal Society Discussion Meeting on Energy in the 1980s, London, 15-16 November.
- The meeting was organised by Kent. He also chaired the first session.
- Programme; correspondence *re* arrangements.

Invitations for 1973

- H.70 Lyell Club Seventh J.H. Taylor Memorial Symposium on the Geologist and the Environment, King's College London, 14 February.
- American Association of Petroleum Geologists National Convention on Major Successes in a Hostile Environment, Anaheim, California, 14-16 May.
- Arctic Oil and Gas Congress, Le Havre, May.
- Joint Meeting of British geological societies, Manchester, 20-22 September.

1974

- H.71 Softback pocket notebook inscribed on first page 'Visits [...]' Used for ms notes on visits within the UK January - November 1974.
- H.72 Open University Geological Society Second Annual Conference on Geology and Man, Edinburgh, April.
- Kent spoke on 'Industry and the continental shelves'.
- Letter *re* arrangements; programme; ms notes for Kent's contribution.

Visits and conferences

- H.73-H.76 Conference on Petroleum and the Continental Shelf of North West Europe: the Geology and the Environment, London, 25-29 November.
- Kent gave the keynote address on 'The tectonic development of Great Britain and the surrounding seas' and chaired the final session at which he gave the summing-up speech. The keynote address was published as *Bibliog.* 98.
- H.73 Memo *re* invitation; annotated programmes.
- H.74 Brochure; list of participants.
- H.75 List of slides; summing-up speech, 5pp typescript.
- H.76 Correspondence, chiefly *re* Kent's contribution.
- H.77 Hardback pocket notebook inscribed on fore edge 'Visits'. Used for ms notes on visits within the UK December 1974 - August 1975.

Invitation for 1974

- H.78 Conference on Geological Principles of World Oil Occurrence, Banff, May.

1975

- H.79 Softback pocket notebook inscribed on fore edge 'Geothermal power' and 'Basins AAPG Geneva'. Used by Kent for ms notes on International Convention 'Il fenomeno geotermico e sue applicazione', Rome and Pisa, 3-5 March (see H.80), a visit to Aberdeen *re* North Sea, April, and later notes including visit to Sharjah, January 1980 and American Association of Petroleum Geologists meeting in Geneva, July 1984 (see H.144).
- H.80 International Convention 'Il fenomeno geotermico e sue applicazione', Rome and Pisa, 3-5 March (see also H.79).
- Letter *re* arrangements only.

Visits and conferences

- H.81 Thirteenth National Conference on Earth Science on Structural Types and Associated Oil and Gas Occurrences, Banff, 4-9 May.
- Kent spoke on 'The North Sea and the broader problems of the North West European continental shelf', 'Orogenic development in Iran', 'Epeirogenic movements in East Africa' and gave the symposium 'recap' and summary. *Bibliog.* 103, 1975 gives 'The search for giant oilfields' as the title of his contribution to the conference proceedings.
- Invitation and correspondence *re* arrangements; programmes; list of participants; lists of slides.
- H.82 Ninth World Petroleum Congress, Tokyo.
- Kent contributed to a Panel Discussion on global tectonics and petroleum occurrences but may not have attended the Congress in person.
- Brief correspondence *re* congress; papers *re* Panel Discussion.
- 1976
- H.83 Softback pocket notebook inscribed on fore edge 'UK continental shelf'. Used for ms notes on visit to Aberdeen, Petroleum Exploration Society of Great Britain meeting, 11 May and American Association of Petroleum Geologists Annual Meeting, New Orleans, May (see H.84, H.85).
- H.84, H.85 American Association of Petroleum Geologists Annual Meeting, New Orleans, May (see H.83).
- Kent was 'Antagonist' in a discussion on plate tectonics as a major exploration tool. There were plans to publish the discussion proceedings but Kent's contribution is not listed in *Bibliog.*
- Kent argued that the plate tectonics 'hypothesis, although valuable in understanding and classifying regional structure, is not yet predictive on the scale required for hydrocarbon exploration'.
- H.84 Programme of discussion; ms and typescript drafts of Kent's contribution.
- H.85 Correspondence *re* publication of proceedings.

Visits and conferences

- H.86 Geological Society Engineering Group meeting on Engineering Problems Associated with Ground Conditions in the Middle East, London, 9 November.

Kent spoke on 'The geological background'. This was published as *Bibliog.* 114, 1978.

Letter *re* arrangements, enclosing booklet of programme and abstracts; ms notes.

1977

- H.87 Twenty-fourth Inter-University Geological Congress on Fuels from the Past - the Search for Coal, Oil, and Natural Gas, Durham, 3-6 January.

Kent spoke on 'Oil exploration in the Middle East'.

Annotated booklet of programme and abstracts; poster; ms notes.

- H.88 Royal Society Discussion Meeting on the Evolution of Passive Continental Margins in the Light of Deep Drilling Results, October.

Kent helped organise the meeting and spoke on 'Vertical tectonics associated with rifting and spreading'. This was published as *Bibliog.* 130, 1980.

Letter of thanks only. Not otherwise documented.

1978

- H.89-H.91 Canadian Society of Petroleum Geologists Conference on Facts and Principles of World Oil Occurrence, Calgary, Alberta, 26-28 June.

Kent spoke on 'The North Sea - Evolution of a major oil and gas play'. This was published as *Bibliog.* 128, 1980.

- H.89 Correspondence *re* arrangements and publication of Kent's contribution; programme.

Visits and conferences

H.90 'Second draft' of Kent's contribution, 19pp typescript with ms correction; ms draft of introductory remarks; ms lists of ?slides.

H.91 Comments on ?earlier draft; miscellaneous background information.

1979

H.92-H.94 International Union of Geological Sciences Conference on Geodynamics Problems - Outlook to the 1980s, Zurich, 5-6 February.

Kent spoke on 'Evolution of Mesozoic and Cenozoic continental margins'.

H.92 Correspondence *re* arrangements; programme and background information.

H.93 Ms notes for Kent's contribution.

H.94 Softback pocket notebook inscribed on first page 'International Union of Geological Sciences "Geodynamics problems..." '. Used for ms notes on proceedings.

H.95 Yorkshire Geological Society Symposium entitled Progress Report on Fossil Fuels - Exploration and Exploitation, Newcastle upon Tyne, 17 February.

Kent chaired the session on Oil.

Brief correspondence *re* arrangements.

H.96-H.101 Canadian Society of Petroleum Geologists International Workshop on the Geological History of the North Atlantic Borderlands, St John's, Newfoundland, 17-22 June.

Kent gave the keynote address on 'The history of the northeast Atlantic margin in a world setting'. This was published as *Bibliog.* 131, 1981.

The workshop was described by Kent in a note to the Royal Society as 'the first stage in implementation of a Canadian proposal for international cooperation in collaboration of a Geological Atlas of the North Atlantic'.

Visits and conferences

- H.96 Correspondence *re* arrangements, including Kent's note on the Workshop for the Royal Society, April 1979, and list of participants.
- H.97 Kent's contribution, 9pp typescript + references; ms notes.
- H.98 Correspondence *re* publication of Kent's contribution.
- H.99-H.101 'Atlantic Outline maps St Johns'. Contents of Kent's envelope so inscribed divided into three for ease of reference.
- H.102 European Association of Organic Geochemists Ninth International Meeting on Organic Geochemistry, Newcastle upon Tyne, 17-20 September.

Kent gave the opening address.

Letter *re* arrangements; programme; ms notes for Kent's address; brief correspondence arising.
- H.103, H.104 Fourth Meeting of the Geological Societies of the British Isles, Sheffield, 19-23 September.
- H.103 Interim programme.
- H.104 Softback pocket notebook inscribed on first page '...1979 1) Sheffield Geological Societies meeting'. Used for ms notes on proceedings, and also notes on 'Cambridge Workshop Jan. 1983' (not otherwise documented).
- H.105 Joint Meeting on Onshore Exploration and Production in the United Kingdom, London, 30 October.

Kent spoke on 'The origin and development of onshore exploration in the United Kingdom'.

Programme; list of slides; brief correspondence arising.

Visits and conferences

- H.106 Leicester University Geology Department Colloquium on the Deep Geology of the East Midlands and Surrounding Areas, 7 November.

Invitation and programme; ms notes on proceedings.

1980

- H.107, H.108 Twenty-seventh Inter-University Geological Congress, Sheffield, 9-12 January.

Kent spoke on 'Economic risks in the search for oil'.

- H.107 Correspondence *re* arrangements; ms and typescript notes on economics of oil prospecting.

- H.108 Annotated booklet of programme and abstracts.

- H.109 De la Beche Club Symposium on Evaporites, Imperial College London, 1 February.

Kent spoke on 'Emergent salt plugs of the Persian Gulf region'.

Brief correspondence *re* arrangements; programme; ms notes on proceedings.

- H.110 Royal Society Discussion Meeting on the Origin and Evolution of the Earth's Continental Crust, London, 21-22 February.

Programme; ms 'Comment on paper by A.M. Ziegler' by Kent.

- H.111, H.112 Conference on Petroleum Geology of the Continental Shelf of North-West Europe, London, 4-6 March.

Kent gave the summing-up address and wrote the introduction to the Conference proceedings. Not listed in *Bibliog.* For notes on proceedings see B.212.

This was a sequel to the 1974 Conference on Petroleum and the Continental Shelf of North West Europe (H.73-H.76).

Visits and conferences

- H.111 Circular; correspondence *re* arrangements; annotated booklet of programme and abstracts.
- H.112 Correspondence *re* publication of proceedings; draft of Kent's introduction, 5pp typescript; ms notes.
- H.113 Twenty-sixth International Geological Congress, Paris, July.
- Kent spoke on 'The structural framework and history of subsidence of the North Sea basin'. This was published as *Bibliog.* 126, 1980. Kent was Royal Society representative at the meeting of the Council of the Congress.
- Correspondence *re* arrangements; programme for colloquium on Geology in Europe at which Kent spoke; papers and ms notes of meeting of Council.
- H.114 Leicester University Saturday School on the Hidden Depths of the East Midlands, 29 November.
- Kent gave the summing-up address.
- Invitation; programme; ms notes.
- 1981**
- H.115 Royal Society of Arts Lecture on 'Modern seismic exploration for oil and gas'.
- Kent was Chairman.
- Invitation; Royal Society of Arts lecture programme.
- H.116-H.119 Royal Society Discussion Meeting on the Evolution of Sedimentary Basins, London, 3-4 June. Kent helped organise the meeting with M.H.P. Bott, D.P. McKenzie and C.A. Williams, and chaired the opening session. He also wrote an introduction to the published proceedings (*Bibliog.* 132, 1982).
- H.116, H.117 Correspondence with fellow-organisers *re* arrangements, and with possible participants. 2 folders.

Visits and conferences

H.118 List of possible participants; ms notes *re* arrangements; annotated programme; abstracts.

H.119 Ms and typescript drafts and proof of Kent's introduction; correspondence *re* publication.

1982

H.120 Birmingham University Geology Department Centenary celebration and lectures, 8-9 January.

Kent spoke on 'L.J. Wills and deep geology'.

Correspondence *re* arrangements; programme; draft of Kent's contribution, 8pp typescript.

H.121 De la Beche Club Symposium on Oil: Onshore Exploration in Britain', Imperial College London, 12 February.

Kent spoke on 'Exploration history in the East Midlands'.

Correspondence *re* arrangements; programme; summary of Kent's contribution and of G.J. Candy's lecture on the West Midlands.

H.122 Geological Society Petroleum Geochemistry Group Discussion Meeting on Origin of Fossil Fuels: Biogenic vs Non-biogenic, London, 7 October.

This meeting was held to discuss the claims of T. Gold regarding the origin of fuel hydrocarbons (see also F.124). Kent spoke on 'Investigation of deep source gas'.

Brief correspondence *re* arrangements; programme.

Invitation for 1982

H.123 EZ 82 Zechstein Workshop.

Visits and conferences

1983

- H.124 Visit to Australia, 2-24 March.
Letter and telex *re* arrangements; itinerary; ms notes.
- H.125, H.126 Geological Society Petroleum Geochemistry and Marine Studies Groups meeting on Marine Petroleum Source Rocks, London, 17-18 May.
Kent chaired the first session and wrote the Preface to the published proceedings (*Bibliog.* 143, 1986).
- H.125 Brief correspondence *re* arrangements; annotated programme.
- H.126 Booklet of abstracts; typescript drafts of Kent's opening remarks as Chairman and proof of Preface..
- H.127-H.129 Geologists' Association Field Excursion to Kenya, 13 August-4 September.
- H.127 Correspondence *re* arrangements; itinerary.
- H.128 Excursion handbook with geological information on Kenya.
- H.129 Correspondence arising; memorabilia.
- H.130 Eleventh World Petroleum Congress, London, 28 August - 1 September.
Kent did not attend but gave advice on the itinerary of geological field trips and wrote an introduction on the general geology of the UK for the field trip handbooks.
Correspondence; typescript draft of Kent's introduction.

Visits and conferences

- H.131-H.139 Greenwich Forum Conference on Britain and the Sea: Future Dependence - Future Opportunities, Greenwich, London, 14-16 September.
- Kent spoke on 'The sea's non-living resources - present and future' (listed in programme as 'Minerals from the maritime environment').
- H.131 Correspondence *re* arrangements; list of participants; programme.
- H.132 Draft of Kent's contribution, 22pp typescript with ms corrections.
- H.133 Figures for preceding; ms and typescript additions to Kent's contribution.
- H.134-H.136 Copies of main papers. 3 folders.
- H.137-H.139 Copies of background papers. 3 folders.
- H.140 Yorkshire Geological Society Symposium on Oil, Durham, 10 November.
- Kent spoke on 'Exploration for oil on land in the UK 1918-1964'.
- Brief correspondence *re* arrangements; programme; summary of Kent's contribution; ms list of slides.

Invitations for 1983

- H.141 North European Margin Symposium, Trondheim, Norway, 9-11 May.
- Open University Symposium on Understanding the Earth, 5-6 October.
- International Symposium on the structure and dynamics of transition zones, Sochi, USSR, 7-14 December.

Visits and conferences

1984

H.142 Oceanology International Conference and Exhibition, Brighton, Sussex, 6-9 March.

Brief correspondence; programme for first two days.

H.143 Geological Society Petroleum Group Conference on On-shore UK Exploration, London, 16 May.

Kent spoke on 'UK on-shore exploration - historical review'. This was published as *Bibliog.* 139, 1985.

Invitation; draft of Kent's contribution, 9pp typescript + list of figures; programme.

H.144 American Association of Petroleum Geologists Conference on Fossil Fuels of Europe, Geneva, 15-18 July.

Correspondence *re* arrangements; programme; ms notes.

H.145, H.146 Open University Geological Society Conference on the Resourceful Earth, Cardiff, 6-8 July.

Kent spoke on 'Iran: oil and mountains'. This was published as *Bibliog.* 138, 1984.

H.145 Correspondence *re* arrangements; programme and abstracts; miscellaneous information.

H.146 Ms notes for Kent's contribution; draft of Kent's contribution, 7pp typescript + bibliography and lists of plates and figures; brief correspondence arising.

H.147 Eleventh BP Environmental Forum, Ferndown, Dorset, 24-25 July.

Brief correspondence *re* arrangements; programme and guest list; ms notes on proceedings.

Visits and conferences

- H.148-H.151 Conference on Landward Oil and Gas, London, 28-29 November.
Kent spoke on 'A history and review of UK onshore exploration 1935-1984'.
- H.148 Correspondence *re* arrangements; programme; list of participants.
- H.149 Draft of Kent's contribution, 7pp typescript; ms list of slides; illustrative material.
- H.150 Background information for Kent's lecture.
- H.151 Correspondence arising; transcript of discussions at the conference.
- 1985**
- H.152, H.153 Dunham-Durham Reunion, Durham, 14-17 September.
This was a symposium to commemorate the seventy-fifth birthday of Sir Kingsley Dunham, Professor of Geology at Durham University 1950-66.
- H.152 Circulars; list of participants; handbook of programme and abstracts.
- H.153 Group photograph of participants (with key).
- H.154-H.156 British Association Annual Meeting, Glasgow, 26-30 August.
Kent spoke to Section C (Geology) on 'The future of offshore oil exploration'.
- H.154 Correspondence *re* arrangements.
- H.155 Draft of Kent's contribution, 10pp typescript.
- H.156 Papers by others.

Visits and conferences

H.157 Sixth Joint Meeting of the Geological Societies of the British Isles, Birmingham, 19-20 September.

Programme; conference news-sheet.

H.158 Institution of Geologists East Midlands Regional Group meeting, Keyworth, Nottinghamshire, 31 October.

Kent spoke on 'Oil exploration in the UK'.

Invitation, annotated 'Accd' by Kent; list of slides.

Invitations for 1986 and 1987

H.159 British Sedimentological Research Group meeting on Controls of Upper Carboniferous Sedimentation - North East Europe, Keele, Staffordshire, 12-13 April 1986.

British Association Annual Meeting, Bristol, 1-5 September 1986.

Third Conference on Petroleum Geology of North West Europe, London, 26-29 October 1986.

Twelfth World Petroleum Congress, Houston, Texas, 26 April - 1 May 1987.

SECTION J

SCIENTIFIC CORRESPONDENCE

J.1-J.79

J.1-J.33 GENERAL SCIENTIFIC CORRESPONDENCE

Correspondence with individuals. In alphabetical order with an indication of information of particular biographical, historical or scientific interest.

J.34-J.65 SHORTER SCIENTIFIC CORRESPONDENCE

In chronological order.

J.66-J.79 REFERENCES AND APPOINTMENTS

Scientific correspondence

GENERAL SCIENTIFIC CORRESPONDENCE

- | | | |
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| J.1 | Allen, P. | 1952-84 |
| J.2 | Arkell, W.J. | 1936-49 |
| J.3 | Bassett, S.L. | 1981 |
| | Bassett was an Australian student of archaeology researching the hominid fossils of the Kanam and Kanjera sites. She corresponded with Kent about the East African Archaeological Expedition of 1934-35. | |
| J.4 | British Museum (Natural History) | 1936-75 |
| | <i>Re</i> geological specimens donated to the museum. | |
| J.5 | Butler, J.B. | 1967 |
| | Chiefly <i>re</i> geological samples. | |
| J.6 | Clarke, W.J. | 1967-71 |
| | Kent sent geological samples to Clarke of BP Research Centre, Sunbury, Middlesex, for identification and analysis. | |
| J.7 | Chapman, R.E. | 1982-86, nd |
| J.8 | Davidson, L. | 1936, 1938 |
| | Davidson was a member of staff of the Geology Department of the British Museum (Natural History). Kent sent him samples of belemnites from his survey work for identification. | |

Scientific correspondence

- | | | |
|------------|---|---------------|
| J.9 | Dickson, J.A.D. | 1967, 1969 |
| | <i>Re</i> Lincolnshire limestone. | |
| J.10 | Dinham, C.H. | 1937-38, 1946 |
| | Dinham was a member of staff of the Geological Survey and Museum. Kent sent him records of bore-holes and samples from his survey work in England. | |
| J.11 | Earland-Bennett, P.M. | 1968-70 |
| | Chiefly <i>re</i> Inferior Oolite ammonite found at Empingham. | |
| J.12, J.13 | Falcon, N.L. | 1941-83 |
| J.12 | 1941, 1955, 1958-59. Includes account of visit to Colorado by Kent, 1955 but principally carbons of correspondence between Falcon and Kent (in Canada). | |
| J.13 | 1964, 1966, 1981, 1983. Includes description of UK marine geological and geophysical research sent to Kent by Falcon, 7 December 1966 | |
| J.14 | Ford, T.D. | 1969, 1972 |
| | Includes correspondence <i>re</i> Widmerpool Gulf, 1969. | |
| J.15 | Fox, A.F. | 1977-78, 1983 |
| | Material 1983 <i>re</i> obituary of Fox for BP <i>Explorer</i> magazine. | |
| J.16 | Hemingway, J.E. | 1949-73 |
| | Includes draft of paper on 'Ironstones' by Hemingway, probably sent to Kent for comment in 1973. | |

Scientific correspondence

- | | | |
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| J.17 | Ivimey Cook, H.C. | 1964-72 |
| J.18, J.19 | Kamen-Kaye, M. | 1973-85 |
| J.18 | 1973-77. Correspondence 1974-75 chiefly <i>re</i> Kamen-Kaye's mapping of the geological structure of East Africa and the adjacent seas. | |
| J.19 | 1978-85. Includes Kamen-Kaye's 'working map of exploration geology in the Mozambique-Madagascar basin' sent to Kent 8 February 1980 with request for data. | |
| J.20 | King, L. | 1979-80 |
| | Reconstruction of Gondwanaland. | |
| J.21 | Muir-Wood, H.M. | 1936-39, 1952 |
| | Muir-Wood was a member of staff of the Geological Survey and Museum. Kent sent her samples from his survey work for identification. | |
| J.22 | Pakenham, R.H.W. | 1977, 1981 |
| | <i>Re</i> 'isolation of the vertebrates on off-shore islands [of East Africa] related to geological processes'. | |
| | Pakenham had served in the civil service in Zanzibar 1929-56. | |
| J.23 | Rawson, P.F. | 1967-85 |
| | Correspondence 1985 <i>re</i> preservation of geological site at Nettleton Hill, Lincolnshire. | |
| J.24 | Rayner, D.H. | 1958-81 |
| J.25 | Rickwood, F. K. | 1958, 1973 |

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- | | | |
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| J.26 | Roberts, K.H. | 1958-59 |
| | Correspondence between Roberts and Kent (in Canada), principally <i>re</i> latest developments and results of drilling in UK. | |
| J.27 | Sahay, B. | 1985 |
| | <i>Re</i> papers for publication. | |
| J.28 | Senior, J.R. | 1968-80 |
| | Correspondence 1969 chiefly <i>re</i> ammonites found in Inferior Oolite; that 1976-77 <i>re</i> Cephalopod Newsletter. | |
| J.29 | Shotton, F.W. | 1952, 1968 |
| | Correspondence 1968 <i>re</i> Clipsham ammonite. | |
| J.30 | Strong, M.W. | 1966 |
| | Letter <i>re</i> formula for estimating crustal shortening, enclosing 1947 'Table for estimating crustal contraction due to folding of strata' compiled by Strong. | |
| J.31 | Swinerton, H.H. | 1934-66 |
| | Includes letter of 17 February 1946 from Swinerton <i>re</i> possibility of Kent applying for Chair in Geology at Nottingham University (see A.135); correspondence 1963-64 chiefly <i>re</i> research on <i>Gryphaea</i> ; and 2pp typescript draft of obituary of Swinerton by Kent. | |
| J.32 | Sylvester-Bradley, P.C. | 1958-73 |
| J.33 | Wills, L.J. | 1958-79 |
| | Includes correspondence 1969 <i>re</i> Palaeozoic floor of southern Britain. | |

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J.34	1932-36	J.50	1973 August-December
J.35	1937-40	J.51	1974
J.36	1941-49	J.52	1975
J.37	1950-55	J.53	1976
J.38	1958 February-June	J.54	1977
J.39	1958 July-December	J.55	1978 January-June
J.40	1959	J.56	1978 August-December
J.41	1962-64	J.57	1979
J.42	1965-67	J.58	1980 January-May
J.43	1968	J.59	1980 July-December
J.44	1969	J.60	1981
J.45	1970	J.61	1982
J.46	1971 January-June	J.62	1983
J.47	1971 July-December	J.63	1984
J.48	1972	J.64	1985
J.49	1973 January-July	J.65	1986, 1987, nd

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J.72	1966, 1969, 1971, 1972	J.75	1980-82
J.73	1973-78	J.76	1983, 1984
J.74	1978, 1979	J.77	1984-86

Honours and awards

Correspondence at J.78 is *re* the Sedgwick Prize of Cambridge University. This was awarded every three years for an essay on a selected geological topic.

J.78	1966-67, 1969-70	J.79	1976, 1979, 1983
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