

## Martyn Jope (1915 - 1996)

*The archive held at the Institute is divided into two collections: 1) Work relating to Early Celtic Art ('Jope') and 2) Science Archaeology ('Jope – Science'). This report is on the second collection, and contains the notes, correspondence and papers relating to Jope's scientific work. It was built up over the years that he was based in **Oxford** and during his employment by **Queen's University, Belfast**.*

*Jope was in the habit of keeping photocopies of his side of the correspondence and these have been retained with his received letters. The archive includes notes and letters belonging to his wife, Margaret, and also a selection of photographic images.*

*The contents of this archive have been roughly divided into three categories: collagen and molecular archaeology; radiocarbon dating and calibration; and biochemistry. There are seven boxes in total.*

### 1. Collagen and Molecular Archaeology (1)

- Notes, a notebook and correspondence regarding
  - **Bone and shell collagen** and plant protein in archaeological material
  - The preservation of ancient DNA
  - The archaeological Maize from Mexico
  - **Red deer antler**
  - Animal blood groups
  - Some relating to <sup>14</sup>C dating
- Folder of notes regarding the 1978 Carnegie Institution of Washington conference on "Advantages in Biogeochemistry of **Amino Acids**"
- Photographs of antlers that were being researched
- Correspondence with Queen's University, Belfast
- Correspondence with publishers (Heinemann Educational Books, Nature) regarding the work of others
- Information about Glenn R. Dickson

### 2. Collagen and Molecular Archaeology (2)

- Information, notes and correspondence regarding the Royal Society Discussion Meeting on "**The Emergence of Man**"
- Notes regarding
  - DNA and genetics
  - Brachiopod Shell protein
- Photographs: negatives and prints
- Correspondence from Queen's university, Belfast
- Some admin
  - Income tax forms
  - Reminder to settle accounts for photography (from North Yorkshire County Council)

### 3. Collagen and Molecular Archaeology – Margaret Jope

- Correspondence, notes and drafts on **brachiopod shell proteins**
- Correspondence with, amongst others,
  - Jerrold “Jerry” M. Lowenstein - about fossils (photograph)
  - Ann Baker and Clyde Manwell
- Some correspondence about Red Deer Antler
- Group photograph outside the Faculté des Sciences de Brest

### 4. Radiocarbon Dating and Calibration (1)

- Notes on
  - Radiocarbon dating
  - Dendrochronology
  - In particular, the establishment of a **calibration curve** so  $^{14}\text{C}$  dates yield calendar years
  - The Science of Archaeology
- Application for research grants for G. Pearson to establish the radiocarbon dates of tree-rings in Oak
- Folders containing
  - Notes and papers regarding the 1988 International Radiocarbon Conference
  - Correspondence and information about radiocarbon accelerator
  - Work by Professor Sedlak about Paleobiochemistry
- Information from Packard Instrument Ltd about a liquid scintillation analyser
- Correspondence and notes about
  - K. Runcorn
  - More applications for research grants
- A thesis by John Ward
- Information regarding the Teaching of Archaeological Degrees in Various Universities around 1974-5 (UCL, Birmingham, Liverpool, Southampton, Sheffield, Newcastle, London, Exeter, Glasgow, Western Germany, Germany, Manchester, Nottingham, Edinburgh, Cambridge, Cork, Cardiff, Queen’s Belfast, Durham, Bristol)

### 5. Radiocarbon Dating and Calibration (2)

- Notebook and handwritten rough notes regarding
  - Ancient DNA
  - Proteins
  - Climate change
  - Accelerator Mass Spectrometry
  - The dating of the charcoal from Iron smelting
- Booklets
  - First International Symposium on C-14 and Archaeology, 1981
  - Programs from Radiocarbon Conference (1982)
- Correspondence about these conferences
- Work by other people, including

- Draft paper on **Liquid Scintillation Counting**, Gordon Pearson
- <sup>14</sup>C Dates for the Neolithic, Hansjürgen Müller-Beck
- 5 scripts by Jill Walker on Radiocarbon dating
- More applications for research grants
- A bank statement (Feb-March 1981)
- A poster: London Past and Present, 1937
- More correspondence with A. Baker and C. Manwell
- Some photos of test-tubes...

## 6. Biochemistry (1)

- Folders containing
  - Notes on research into **coproporphyrin** and urinary porphyrins in disease
  - Notes on experiments into sulphanilamide
  - Graphs and charts
  - Some notes on blood transfusion research

## 7. Biochemistry (2)

- Loose paper notes relating to the same research as is in the folders (above)
- Lantern slides, relating to biochemistry work: mostly good condition, only a few broken, some badly silvered
- Some prints of the slides

*Charlotte Robinson*

*18.09.2012*