



Inventory

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Papers of R W Powell

National Library of Scotland
Manuscripts Division
George IV Bridge
Edinburgh
EH1 1EW
Tel: 0131-466 2812
Fax: 0131-466 2811
E-mail: manuscripts@nls.uk

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- 1-8 General Correspondence.
 1. 1958-67.
 2. 1968-9.
 3. 1970.
 4. 1971.
 5. 1972.
 6. 1973.
 7. 1974-77.
 8. 1982-5, n.d.
- 9-10 Correspondence relating to the British Association for the Advancement of Science.
 9. 1948-50.
 10. 1951-3.
 11. Correspondence relating to Powell's nomination for the Royal Society, 1952, 1957.
- 12-15 Papers relating to Thermophysical Properties Research Center Data Series "Thermophysical Properties of Matter", 1965-81.
 12. Correspondence, agreements, contents list etc, 1965-70.
 13. Errata and corrigenda, 1973-81.
 14. Royalty statements, 1972-9.
 15. Vols 1 and 2.
 16. International Journal of Thermophysics – Agreements, 1969.
 17. Career details, list of publications, application for promotion, 1957-71.

18. The Thermal and Electrical Conductivities of Metals and Alloys by R W Powell – PhD thesis, 1938.
19. Lecture notes, 1963-4.
20. Notes mainly on thermal conductivity.
21. Some Contributions to Physics to Flax Processing – research material manuscript and typescript of article, 1964.
- 22-9 Reports etc relating to the following contracts at the Thermophysical Properties Research Center, Purdue University, Indiana:
 22. Contract AF33(615)-3861 – Apparatus for the Precise Determination of Thermal Conductivity and Electrical Resistivity of Solids at High Temperatures by Direct Electrical Heating Methods – Technical management reports, monthly letter reports, quarterly report, notes etc, 1965-1968.
 23. Contract F33(615)-69-C-1229 – Determination of Thermophysical Properties of Solids at High Temperatures by Direct Heating Methods – Monthly letter reports and Technical Management Reports, 1968-9.
 24. Contract F33(615)-70-C-1012 – Determination of Thermophysical Properties of Solids at High Temperatures by Direct Heating Methods – Monthly reports and Technical Management Reports, 1969-70.
 25. Contract F33615-70-C-1080 – Developing a Multi-Purpose Apparatus for Thermophysical Property Determinations of Solids at High Temperatures – R & D Contract Status Reports, 1970.
 26. Contract F33615-71-C-1183 – Determination of Thermophysical Properties of Solids at High Temperatures by Direct Heating Methods – Monthly reports and Technical Management Reports, 1970-1.
 27. Contract CST-475 – Generation of Critical Tables of Standard Reference Data – Final Report, 1971.
 28. Contract 2-35746 – Generation of Critical Tables of Standard Reference Data – Quarterly Progress reports, 1971-2.
 29. Contract 3-35707 – Generation of Critical Tables of Standard Reference Data – Second Quarterly Progress Report and Final report, 1974-5.

30. Thermophysical Properties Research Center, Purdue University, Indiana: Reports and Memoranda, 1970-5.
31. Manuscripts of articles, 1969, n.d.
 - 'Some additional notes regarding the TPRC Thermal Comparator and the Use of the Cell provided for Thermal Conductivity Tests on Fluids'.
 - 'Thermal Conductivity and Non-destructive Testing: An Account of Thermal Comparator Methods and Applications'.
 - 'Report on Tests made at the TPRC on Six Samples consisting of Deposited Layers on Electroformed Nickel'.
 - 'The TPRC Thermal Comparator'.
- 32-8 Typescripts, offprints etc of articles by Powell with manuscript annotations.
32. Photocopy of corrected typescript of Thermal Conductivity Determinations of Thermal Comparator Methods by Powell.
33. Thermal Conductivity as a non-destructive testing technique by Powell published 27 November 1958 – carbon copy typescript and proof pages.
34. Proof copy Laws Governing the Evaporation of Water and Sublimation of Ice, by Powell, published in Refrigeration Principles and Practice, London 1951.
- 35-7 Miscellaneous articles.
35. Typescript articles, 1956-62, n.d.
36. Articles written at TRPC, Purdue University, 1971, n.d.
37. Articles, 1941, 1951, 1960-69, 1972.
38. Articles, n.d.
- 39-40 Offprints of articles by others with manuscript annotations:
39. Articles written at TRPC, Purdue University, 1963-70.
40. Articles, 1948-70, n.d.
41. Photographs.
42. Newspaper cuttings.

43. Miscellaneous manuscript notes.
44. Miscellaneous graphs and calculations.
45. Miscellaneous printed items.
46. Papers relating to John M Powell, son of R W Powell, 1965-9.