

(November 22, 1921)

*Information Section
Bureau of Standards, Washington*

PUBLICATIONS RELATING TO HEAT

(The publications not starred may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C., at the prices stated. Those marked with a star are out of print, but may be consulted at leading libraries.)

Scientific Papers

Number	Title	Price
S 8	On the temperature of the arc (1904)	5¢
S 11	Optical pyrometry (1904)	10¢
S 13	The testing of clinical thermometers (1905)	15¢
*S 24	Radiation from platinum at high temperatures (1906)	5¢
S 32	Heat treatment of high temperature mercurial thermometer (1906)	10¢
S 40	Preliminary measurements on temperature and selective radiation of incandescent lamps (1906)	5¢
*S 55	Radiation from and melting points of palladium and platinum (1907)	10¢
S 57	On the establishment of the thermodynamic scale of temperature by means of the constant-pressure gas thermometer (1907)	15¢
*S 62	Melting points of the iron-group elements by a new radiation method (1907)	10¢
*S 68	Calorimetric resistance thermometers and the transition temperature of sodium sulphate (1907)	5¢

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be clearly documented, including the date, amount, and purpose of the transaction. This ensures transparency and allows for easy reconciliation of accounts.

In the second section, the author outlines the various methods used to collect and analyze data. This includes direct observation, interviews, and the use of specialized software tools. The goal is to gather comprehensive information that can be used to identify trends and make informed decisions.

The third section focuses on the challenges faced during the data collection process. These include issues such as incomplete data, inconsistent reporting, and the need for standardized procedures. The author provides practical solutions to these problems, such as implementing regular audits and providing training to staff members.

Finally, the document concludes with a summary of the key findings and recommendations. It stresses the importance of ongoing monitoring and evaluation to ensure that the data collection process remains effective and efficient. The author encourages a culture of continuous improvement and data-driven decision-making.

Number	Title	Price
S 69	On the standard scale of temperature in the interval 0° to 100° (1907)	20¢
S 85	Instruments and methods used in radiometry (1907)	15¢
S 105	Radiation constants of metals (1908)	10¢
S 120	The thermoelectric properties of tantalum and tungsten (1909)	5¢
S 123	The theory of the Hampson liquefier (1909)	5¢
S 124	Platinum resistance thermometry at high temperatures (1909)	10¢
S 135	Specific heat of some calcium chloride solutions between -35°C and +20°C (1909)	10¢
S 136	On the definition of the ideal gas (1909)	5¢
*S 143	Note on the temperature scale between 100 and 500°C (1910)	5¢
S 149	On the constancy of the sulphur boiling point (1910)	5¢
S 152	The reflecting power of various metals (1911)	10¢
*S 156	Selective radiation from various substances. III. (1910)	10¢
S 162	On the computation of the constant c_2 of Planck's equation by an extension of Paschen's method of equal ordinates (1911)	5¢
S 167	The steam-turbine expansion line of the Mollier diagram and a short method of finding the reheat factor (1911)	10¢
S 170	The correction for "emergent stem" of the mercurial ther- mometer (1911)	5¢
S 180	On the deduction of Wien's displacement law (1911)	5¢
S 185	Thermometric lag (1913)	10¢
S 188	Instruments and methods used in radiometry--II (1911)	10¢
S 198	A micropyrometer (1912)	5¢

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S 200	New calorimetric resistance thermometers (1913)	5¢
S 202	Notes on cold-junction corrections for thermocouples (1913)	5¢
S 204	The constants of spectral radiation of a uniformly heated enclosure or so-called black body, Part I (1913)	10¢
S 205	Melting points of the refractory elements. I. Elements of atomic weight from 48 to 51 (1913)	5¢
S 208	Latent heat of fusion of ice (1913)	10¢
*S 212	Melting points of some refractory oxides (1913)	5¢
S 219	Production of temperature uniformity in an electric furnace (1914)	15¢
S 224	The emissivity of metals and oxides. I. Nickel oxide (NiO) in the range 600 to 1300°C (1914)	10¢
S 227	Measurements on standards of radiation in absolute value (1914)	5¢
S 229	Various modifications of bismuth-silver thermopiles having a continuous absorbing surface (1914)	20¢
S 230	Combustion calorimetry and the heats of combustion of cane sugar, benzoic acid, and naphthalene (1914)	15¢
S 231	Specific heat of copper in the interval 0° to 50°C, with a note on vacuum-jacketed calorimeters (1914)	25¢
S 237	Absorption, reflection, and dispersion constants of quartz (1913)	5¢
S 241	A Wheatstone bridge for resistance thermometry (1914)	20¢
S 242	The emissivity of metals and oxides. II. Measurements with a micropyrometer (1914)	5¢
*S 243	The emissivity of metals and oxides. III. The total emissivity of platinum and the relation between total emissivity and resistivity (1915)	5¢
S 247	An aneroid calorimeter (1915)	10¢

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Number	Title	Price
S 248	Specific heat and heat of fusion of ice (1915)	10¢
S 249	The emissivity of metals and oxides. IV. Iron oxide (1915)	5¢
S 259	A new relation derived from Planck's law (1915)	5¢
S 260	"Center of gravity" and "Effective wave length" of transmission of pyrometer color screens, and the extrapolation of the high temperature scale (1916)	10¢
S 261	Studies of instruments for measuring radiant energy in absolute value: An absolute thermopile (1916)	15¢
S 262	Present status of the determination of the constant of total radiation from a black body (1916)	10¢
S 263	Illumination from a radiating disk (1916)	5¢
S 276	Protected thermoelements (1916)	5¢
S 284	Constants of spectral radiation of a uniformly heated inclosure or so-called black body, II (1916)	10¢
S 287	Calculation of Planck's constant C_2 (1916)	5¢
S 288	Wheatstone bridges and some accessory apparatus for resistance thermometry (1916)	10¢
S 294	Freezing point of mercury (1916)	5¢
S 300	Emissivity of straight and helical filaments of tungsten (1917)	5¢
S 301	Aneroid calorimeter for specific and latent heats (1917)	10¢
S 304	Calculations of constants of Planck's radiation equation: Application of theory of least squares (1917)	5¢
S 313	The specific heat of ammonia (1917)	5¢
S 314	The latent heat of pressure variation of liquid ammonia (1917)	5¢
S 315	The latent heat of vaporization of ammonia (1917)	10¢

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice.

2. The second section details the various methods used to collect and analyze data. It includes a list of procedures and the specific steps involved in each.

3. The third part of the document describes the results of the data analysis. It provides a clear and concise summary of the findings, highlighting the key trends and patterns.

4. The fourth section discusses the implications of the findings and offers recommendations for future research. It suggests several areas that need further investigation and provides a list of potential research questions.

5. The final part of the document is a conclusion that summarizes the main points of the report. It reiterates the importance of accurate record-keeping and the value of data analysis in understanding complex systems.

6. The document also includes a list of references to the sources used in the research. These references provide additional information and context for the reader.

7. Finally, the document includes a list of appendices that contain supplementary information. These appendices provide a more detailed look at the data and the methods used in the study.

Number	Title	Price
S 319	Instruments and methods used in radiometry. III: The photoelectric cell and other selective radiometers (1918)	10¢
S 323	Some characteristics of the Marvin pyr heliometer (1918)	10¢
S 332	Preliminary determination of the thermal expansion of molybdenum (1919)	5¢
S 339	Standardization of the sulphur boiling point (1919)	5¢
S 340	A standardized method for the determination of solidification points, especially of naphthalene and paraffin (1919)	5¢
S 352	Thermal expansion of insulating materials (1919)	10¢
S 357	Constants of radiation of a uniformly heated inclosure (1920)	5¢
S 358	Concerning the annealing and characteristics of glass (1920)	10¢
S 360	Methods for computing and intercomparing radiation data (1920)	5¢
S 365	A new interferential dilatometer (1920)	5¢
S 369	Vapor pressure of ammonia (1920)	10¢
S 393	Measurements of thermal dilatation of glass at high temperatures (1920)	10¢
S 407	Some recent modifications in the construction of platinum resistance thermometers (1921)	5¢
S 410	Thermal expansion of copper and some of its important industrial alloys (1921)	25¢

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Technologic Papers

Number	Title	Price
T 10	The melting points of fire brick (1912)	5¢
T 36	Industrial gas calorimetry (1914)	40¢
T 49	Emergent-stem correction for thermometers in creosote-oil distillation flasks (1915)	10¢
T 91	Temperature measurements in Bessemer and open-hearth practice (1917)	5¢
T 130	A comparison of the heat-insulating properties of some of the materials used in fire-resistive construction (1919)	10¢
T 170	Pyrometric practice (1921)	60¢
T 184	Fire tests of building columns (1921)	75¢

Circulars

Number	Title	Price
*C 2	Measurements of length and area, including thermal expansion	5¢
C 5	Testing of clinical thermometers	5¢
C 8	Testing of thermometers	10¢
C 11	Standardization of bomb calorimeters	5¢
C 35	Melting points of chemical elements, and other standard temperatures	5¢
C 48	Standard methods of gas testing	40¢
C 55	Measurements for the household	15¢
C 65	Gas calorimeter tables	5¢
C 66	Standard samples of thermometric fixed points	5¢





