

# PHYSICAL SCIENCES

## PAPER 1

## MAY-JUNE

## MEMO

# 2025



Figure 1: A circuit is shown in which  $E$ , the EMF (12 V) is equal to the voltage across the battery.

1.1 (1 mark)  
State the meaning implied by the circuit diagram.  
Answer: When the switch is closed, the circuit is complete and current flows.



- 1.1 (1 mark)  
State the meaning implied by the circuit diagram.
- 1.2 (1 mark)  
Determine the value of the force  $F$  required to keep the beam in equilibrium.



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# June 2physical Science Paper Memorandum

**William Whewell**



## June 2physical Science Paper Memorandum:

**Federal Register** ,1983-12-27      *The Chemical News and Journal of Physical Science* ,1882      Chemical News and Journal of Physical Science ,1914      *Rearming for the Cold War, 1945-1960* Elliott Vanveltner Converse,2012 Book

Description The first publication in a multivolume series on the history of the acquisition of major weapon systems by the Department of Defense author Elliott Converse presents a meticulously researched overview of changes in acquisition policies organizations and processes within the United States military establishment during the decade and a half following World War II Many of the changes that shaped the nature and course of weapons research and development production and contracting through the end of the century were instituted between 1945 and 1960 many of the problems that have repeatedly challenged defense policymakers and acquisition professionals also first surfaced during these years This study is the first to combine the histories of the Office of the Secretary of Defense OSD and the military services into one account The volume is organized chronologically with individual chapters addressing the roles of OSD the Army Navy and Air Force in two distinct periods      History of Acquisition in the Department of Defense, Volume 1 Elliott V. Converse,2012-06-12 This volume is a history of the acquisition of major weapon systems by the United States armed forces from 1945 to 1960 the decade and a half that spanned the Truman and Eisenhower administrations following World War II These instruments of warfare aircraft armored vehicles artillery guided missiles naval vessels and supporting electronic systems when combined with nuclear warheads gave the postwar American military unprecedented deterrent and striking power 1 They were also enormously expensive The volume is organized chronologically with individual chapters addressing the roles of OSD the Army Navy and Air Force in two distinct periods The first roughly coinciding with President Truman s tenure covers the years from the end of World War II through the end of the Korean War in 1953 The second spans the two terms of the Eisenhower presidency from 1953 through early 1961 The year 1953 marked a natural breakpoint between the two periods The Korean War had ended President Eisenhower and his defense team began implementing the New Look a policy and strategy based on nuclear weapons which they believed would provide security and make it possible to reduce military spending The New Look s stress on nuclear weapons along with the deployment of the first operational guided missiles and the rapid advances subsequently made in nuclear and missile technology profoundly influenced acquisition in the services throughout the 1950s and the remainder of the century As used in this study the term acquisition encompasses the activities by which the United States obtains weapons and other equipment In surveying the history of acquisition between 1945 and 1960 this study discusses or refers in passing to many of the hundreds of weapon system programs initiated by the services in that period but it is not a weapons encyclopedia Instead it investigates a few major programs in depth in the belief that such detailed examination best reveals the evolution of acquisition policies organizations and processes and the various forces influencing weapons programs      *A History of Scientific Journals* Aileen Fyfe,Noah Moxham,Julie McDougall-Waters,Camilla Mørk

Røstvik,2022-10-03 Modern scientific research has changed so much since Isaac Newton's day it is more professional collaborative and international with more complicated equipment and a more diverse community of researchers Yet the use of scientific journals to report share and store results is a thread that runs through the history of science from Newton's day to ours Scientific journals are now central to academic research and careers Their editorial and peer review processes act as a check on new claims and findings and researchers build their careers on the list of journal articles they have published The journal that reported Newton's optical experiments still exists First published in 1665 and now fully digital the Philosophical Transactions has carried papers by Charles Darwin Dorothy Hodgkin and Stephen Hawking It is now one of eleven journals published by the Royal Society of London Unrivalled insights from the Royal Society's comprehensive archives have enabled the authors to investigate more than 350 years of scientific journal publishing The editorial management business practices and financial difficulties of the Philosophical Transactions and its sibling Proceedings reveal the meaning and purpose of journals in a changing scientific community At a time when we are surrounded by calls to reform the academic publishing system it has never been more urgent that we understand its history

**History of Acquisition in the Department of Defense: Rearming for the Cold War, 1945-1960** Elliott Vanveltner Converse,2012 **Forum Memo to Members**

,1964 **Energy Research Abstracts** ,1977 Semiannual with semiannual and annual indexes References to all scientific and technical literature coming from DOE its laboratories energy centers and contractors Includes all works deriving from DOE other related government sponsored information and foreign nonnuclear information Arranged under 39 categories e.g Biomedical sciences basic studies Biomedical sciences applied studies Health and safety and Fusion energy Entry gives bibliographical information and abstract Corporate author subject report number indexes Archibald Liversidge, FRS Roy MacLeod,2009-12-14 When Archibald Liversidge first arrived at Sydney University in 1872 as reader in geology and assistant in the laboratory he had about ten students and two rooms in the main building In 1874 he became professor of geology and mineralogy and by 1879 he had persuaded the senate to open a faculty of science He became its first dean in 1882 Liversidge also played a major role in the setting up of the Australasian Association for the Advancement of Science which held its first congress in 1888 For anyone interested in Archibald Liversidge his contribution to crystallography mineral chemistry chemical geology strategic minerals policy and a wider field of colonial science

**Guide to U.S. Government Publications** Thomson Gale,2005-08 **I. The Greek school philosophy, with reference to physical science. II. The physical sciences in ancient Greece. III. Greek astronomy. IV. Physical science in the middle ages. V. Formal astronomy after the stationary period. VI. Mechanics, including fluid mechanics. VII. Physical astronomy.**

**Additions to the 3d ed** William Whewell,1894 **Tax Court Memorandum Decisions** Commerce Clearing House,United States. Tax Court,1968 Contains the full texts of all Tax Court decisions entered from Oct 24 1942 to date with case table and topical index **The Electrical Journal** ,1912 *the educational times, and journal of the college of preceptors* ,1884

**Educational Times** ,1884      **Parliamentary Papers** Great Britain. Parliament. House of Commons,1918      The  
Bookseller ,1895      **The English Catalogue of Books [annual]** Sampson Low,1928 Vols for 1898 1968 include a directory  
of publishers      **Report by the Solar Physics Committee** ,1882

## Unveiling the Magic of Words: A Review of "**June 2physical Science Paper Memorandum**"

In a global defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is truly awe-inspiring. Enter the realm of "**June 2physical Science Paper Memorandum**," a mesmerizing literary masterpiece penned by way of a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve to the book is central themes, examine its distinctive writing style, and assess its profound affect the souls of its readers.

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