



education

Department of
Education
FREE STATE PROVINCE

PHYSICAL SCIENCES PAPER 1 (PHYSICS)

GRADE 12

TERMS & DEFINITIONS, QUESTIONS & ANSWERS PER TOPIC

2019

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Memo Paper Physical Science 2trial

Ward Edwards



Memo Paper Physical Science 2trial:

A Science of Decision Making Ward Edwards, 2009 Ward Edwards is well known as the father of behavioral decision making. In his 1954 Psychological Bulletin paper on decision making he brought psychological ideas into what had been the province of economists. His influence in this realm is so pervasive that the Nobel committee was able to trace a direct path from Edwards's work to Daniel Kahneman's 2002 Prize for prospect theory. In a 1963 Psychological Review paper Edwards brought Bayesian statistics to the attention of psychologists who have continued to proliferate Bayesian ideas underscoring the importance of the perspective. In a 1962 IEEE paper Edwards foresaw how the world of intelligence gathering and analysis could be transformed by systems in which humans provided subjective probabilities and machines provided computational power. He also showed in a 1986 book written with Detlof von Winterfeldt how multiattribute utility analysis could help real world decision makers generate satisfactory solutions to complex problems. In this book 29 of Ward Edwards's most important published papers are reprinted a selection that spans six decades allowing the reader to see how this strikingly creative thinker generated many of the ideas that are now core beliefs among current researchers. It is perhaps less well known that Edwards continued to make substantial contributions during the years after his retirement. Illness reduced his public appearances but he continued his incisive thinking behind the scenes. At the time of his passing he was involved in several projects and seven new papers from these projects were completed for this book by his last set of collaborators. Edwards's papers are a treat to read. His prose is the model of elegant simplicity yet full of style and wit. With each paper the editors have included a short introduction that presents Edwards's reflections on the content or impact of the older papers or describes the creation of the new ones. Obituaries written by former students and colleagues flesh out the human side of this remarkable scholar.

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Physical Science, 1981 Physical Sciences Student Lab Notebook McNeil, Hayden-McNeil Specialty Products Staff, 2001-12-31 **Physical science** Educational Support Services Trust (South Africa). Matriculation Programme, 1994

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