

Ronald Burgess fonds

Last revised November 2011



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Fonds Description

Ronald Burgess fonds. – 1972-1976.

2.5 m of textual records.

Biographical Sketch

R.E Burgess, a member of the University of British Columbia Dept. of Physics for twenty- three years, was born in London, England. He entered the University of London in 1935 and in 1939 obtained his B.Sc. in Physics and Mathematics. He joined the staff of the Radio Research Station in Slough, England in 1939 and carried out a wide range of research interests. In the fall of 1954, Burgess was appointed as full professor in the UBC Dept. of Physics, which had secured initial funding for the position through the Defense Research Board of Canada. Burgess remained with the department until his death in 1977.

Scope and Content

The fonds consists of lecture and research notes chiefly in the field of theoretical and experimental investigations in physical electronics.

Notes

Researchers are strongly advised to check with the University Archives regarding permission to publish or otherwise use materials from this fonds.

Title based on the content of the fonds.

File List

BOX 1

- 1-1 403 Problems
- 1-2 403 Problems
- 1-3 510 Problems
- 1-4 510 Problems
- 1-5 Grant No.9512-22 Electron Physics 11-15
- 1-6 Radiation Fluctuations
- 1-7 Radiation Fluctuations
- 1-8 Physics 403
- 1-9 Physics 403 First Term
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- 1-11 Physics 510
- 1-12 Flux Flow Fluctuations
- 1-13 Plasma Fluctuations
- 1-14 Plasma Fluctuations
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- 1-16 Physics 302
- 1-17 302 Problems/Exams
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BOX 2

- 2-1 403 Problems/Exams (1973-1974)
- 2-2 403 Problems/Exams (1974-1975)
- 2-3 Misc. notes re: 302, 403, 510, 576
- 2-4 Misc. notes re: 302, 403, 510, 576
- 2-5 510 Stochastic Processes
- 2-6 516 Problems
- 2-7 Information Theory
- 2-8 Information Theory
- 2-9 Physics 516
- 2-10 Brownian Motion
- 2-11 Fluctuations in Dispersive Systems
- 2-12 Heat Fluctuations
- 2-13 Negative Resistance
- 2-14 Non Equilibrium Fluctuations
- 2-15 Thermal Fluctuations in the Conducting Cylinder

- 2-16 Thermal Instability
- 2-17 Transport Fluctuations

BOX 3

- 3-1 Lecture Physics 503
- 3-2 Lecture Physics 503
- 3-3 Physics 510 Stochastic Processes
- 3-4 Physics 510 Stochastic Processes
- 3-5 Quantum mechanics by A.S. Davydov
- 3-6 Quantum mechanics by A.S. Davydov
- 3-7 Equilibrium Fluctuations
- 3-8 Equilibrium Fluctuations
- 3-9 403 Problems/Exams (1976-1977, 1077-1978)
- 3-10 Dielectric and Magnetic Fluctuations
- 3-11 Dielectric Fluctuations
- 3-12 Electrodynamics Fluctuations
- 3-13 Fluctuations of Order Parameter
- 3-14 G/R Fluctuations
- 3-15 Generalization of FDT

BOX 4

- 4-1 Multivariate Transition Fluctuations
- 4-2 Non Poisson Processes
- 4-3 Superconductivity - II