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Resume of Rex Hawkins Shudde, 1973

Shudde, Rex Hawkins

Monterey, California: Naval Postgraduate School

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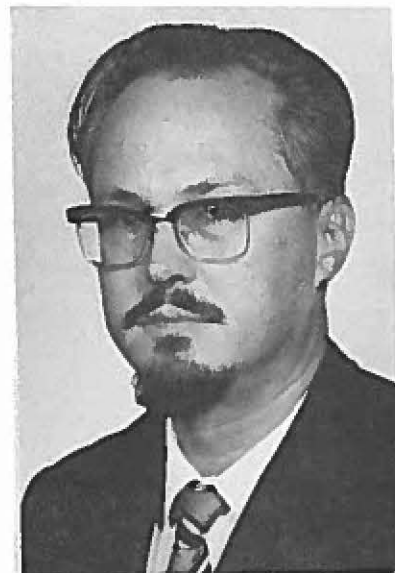
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RESUME OF REX HAWKINS SHUDDE

Rex Shudde was born in Santa Monica, California, on 25 December 1929. His undergraduate studies were at the University of California at Los Angeles, where he received the degrees of B. S. in Chemistry and A. B. in Mathematics in 1952. His graduate studies were at the University of California at Berkeley where he majored in chemistry and minored in mathematics. He received the Ph. D. degree in chemistry in 1956. His research was under the direction of Professor Glenn T. Seaborg.



Upon graduation in 1956 he was employed by Atomics International, a Division of North American Aviation, Inc., in the Radiation Chemistry Unit and Molecular Physics Unit. His primary project was the vibrational analysis of the biphenyl molecule.

In 1960 he transferred to the Applied Mathematics Group, where he was primarily concerned with the numerical analysis of the Wilkins and Wigner-Wilkins neutron thermalization equations. This work led ultimately to the TEMPEST II neutron thermalization code.

In 1961 he was appointed supervisor of the Digital Applications Unit where he was concerned with the numerical analysis and digital programming of scientific problems for the IBM 7090. For the most part, these problems encompassed the areas of the ordinary and partial differential equations of heat transfer, chemical kinetics, and ballistic trajectories, as well as some work on integral equations.

In July 1962 he joined the faculty of the Naval Postgraduate School, Monterey, California, where he is teaching in the Department of Operations Research.

He is a member of the Operations Research Society of America, American Physical Society, Association of Computing Machinery, and Sigma Xi.

PUBLICATIONS OF R. H. SHUDDE

OPEN LITERATURE

Book; published papers, notes, letters.

1. The Mass Spectra of Deuterated Biphenyls: Mechanisms of Hydrogen and Carbon Loss Processes P
with J. G. Burr and J. M. Scarborough
J. Phys. Chem., 64, 1359 (1960)
2. The Two-By-Two Transportation Problem P
Math. Teacher, 479-482 (1968)
3. Special Probabilistic Models (Chapter 3) IP
In P. W. Zehna, Editor: Selected Methods and Models
in Military Operations Research. U. S. Dept. of the
Navy. Naval Analysis Programs.
U. S. Govt. Print. Off., 1971
4. Contact and Attack Problems (Chapter 4)
In P. W. Zehna, Editor: Selected Methods and Models
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Navy. Naval Analysis Programs.
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5. Hit Problems (Chapter 5) IP
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6. Lanchester's Theory of Combat (Chapter 6)
In P. W. Zehna, Editor: Selected Methods and Models
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U. S. Govt. Print. Off., 1971
7. A Golden Section Search Problem P
Fibonacci Q., 10(4), 422 (1972)
8. A Note on Kuiper's V Statistic N
with D. R. Barⁿ
Biometrika 60, 663-664 (1973)