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## Resume of Robert Eugene Gaskell, 1967

Gaskell, Robert Eugene

Monterey, California: Naval Postgraduate School

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## RESUME OF ROBERT EUGENE GASKELL

Robert E. Gaskell, born in Grelton, Ohio, in 1912, received the A. B. degree (with highest honors) from Albion College in 1933, with majors in Chemistry and Mathematics. His M. S. (1934) and Ph. D. (1940) degrees were awarded by the University of Michigan, where his work in applications of integral transforms was under the direction of R. V. Churchill.



After two years as Instructor at the University of Alabama, he joined the staff of the School of Mechanics at Brown University (1942-46) where he worked with William Prager on the numerical calculation of dynamic stresses and several other industrial applications of Mathematics. From 1947-51, while a member of the Mathematics Faculty at Iowa State University, his interests turned to the Mathematics of ground water flow. Following this work, he joined the Boeing Company in Seattle, where he organized and directed its Mathematical Services Unit and subsequently its Mathematics Research Laboratory during the period 1951-59. He returned to academic work at Oregon State University (1959-66), where he was concerned primarily with education in the applications of mathematics.

In July 1966 he joined the faculty of the Naval Postgraduate School, Monterey, California, where he is teaching in the Department of Mathematics. He was Chairman of the department from July 1966 until 30 June 1972.

He has served as consultant to several companies, for six summers as Director of an Institute for gifted high school students, and as Program Chairman at a number of Mathematical meetings. He is a Fellow of the AAAS, a Council Member of the Society for Industrial and Applied Mathematics, and was 1965-66 Chairman of the Mathematical Division of the American Society for Engineering Education. He has served the Mathematical Association of America in its Visiting Lecturers' Program since 1959, and is now Chairman of its Visiting Lecturers' Committee. In addition to membership in these organizations, he is also a member of the American Mathematical Society, the Institute of Management Sciences, the American Association of University Professors, Phi Beta Kappa, Sigma Xi and Phi Kappa Phi.

PUBLICATIONS OF R. E. GASKELL

OPEN LITERATURE

Books; published papers, notes, letters;

1. Divisibility Rules by the Remainder Theorem P  
Math. News Letter, 8, 81 (1934)
2. Problem in Heat Conduction and an Expansion Theorem P  
Am. J. of Math., 64, 447-455 (1942)
3. On Moment Balancing in Structural Dynamics P  
Quart. Appl. Math., 1, 237-249 (1943)
4. The Calendering of Plastic Materials P  
Appl. Mech., 17, 334-336 (1950)
5. The Falling Water Table in Tile and Ditch Drainage P  
with D. Kirkham  
Proc. of the Soil Sci. Soc., 15, 37-42 (1950)
6. Numerical Solutions for Tile Drainage of Layered Soils P  
with J. N. Luthin  
Trans. of the Am. Geophysical Union, 31, 595-602 (1950)
7. The Future Demand for Mathematicians in the Computing IP  
Field - The Computing Laboratory in the University,  
edited by P. C. Hammer  
U. of Wisconsin Press, 1957. p. 127-133
8. The Practice of Mathematics IP  
Am. Math. Monthly, 64, 557-566 (1957)
9. Engineering Mathematics T  
Holt, Rinehart and Winston (1958)
10. A Simulator for the Gravitational Field P  
Proc. of the Western Regional Meeting,  
American Astronautical Soc. (1958)
11. Mathematics Goes to Market P  
Discourse, 158-164 (1959)

Publications of R. E. Gaskell (cont).

12. Professional Mathematicians in Government and Industry  
SIAM Rev., 2, 3-10 (1960) IP
13. Universal Mathematical Literacy: a Must for the Future  
Theory Into Practice, 3, 2 (1964) IP
14. Discussion of "Pressure Distribution in the Calendering of  
Plastic Materials"  
J. Appl. Mech., 18, 317 (1951) L
15. Contributed Chapter IP  
In Handbook of Mathematical Tables, 3rd ed.  
Chemical Rubber Company, 1967. p. 668-684