



## Biographical Information, Ernest K. Gatcombe, 1960

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Authors	Gatcombe, Ernest K.
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1. Ernest K. Gatto
2. Department of Mechanical Engineering
3. 53
4. Professor
5. B. S. University of Maine 1931  
M. S. Purdue University 1939  
Ph.D. Cornell University 1944  
(All work in Mechanical Engineering with course work in other fields)
6. 14 years
7. Purdue, 1937-39 half time instructor and half time graduate student;  
Cornell, 1939-44 full time instructor with  $\frac{1}{2}$  time graduate student.
8. Pratt & Whitney Aircraft 1940-41 part time Design Engineer  
Research at M.I.T., 1944-46 with part time consulting for Jackson  
and Moreland Engineers of Boston, as Assistant Chief Engineer.
9. Syntilla Magneto Company part time consulting work.
10. Firestone 1956-58 part time consulting work  
Dalmo Victor 1957- part time consulting work
11. (a) "Power Transmission Through Gears" by E. K. Gatto and R. W.  
Prowell, Power Transmission Design- 1959.  
(b) "Spar Gears - Hertzian Contact Times" by E. K. Gatto, R. P.  
Hummicutt and G. F. Kinney in ASLE, 1958  
(c) "Apparent Viscosity of Lubricating Films Under Low Shear Rates"  
by E. K. Gatto, R. P. Hummicutt, and G. F. Kinney, ASLE, 1958  
(d) "Gas Turbine Gear Analysis" by E. K. Gatto, R. P. Hummicutt,  
R. W. Prowell, H. J. Burger, and G. F. Kinney - Two non-published  
Reports for Firestone, 1957-58.  
(e) "Rocket Motor Gear Analysis" by E. K. Gatto and R. W. Prowell  
recently submitted to ASME
12. Member ASME, ASLE, Sigma Xi
13. Ist '59 - Teaching 4 hrs., Auditing 3 hrs.  
Mechanics - Statics 4 hrs; Computer Course 3 hrs.  
II '58-59 - Taught 12 hrs.  
Str. of Materials 3 hrs.  
Machine Design 5 hrs  
Str. Lab 2 hrs  
Machine Design 2 hrs  
III '58-59 Taught 7 hours. Audited 2 hrs.  
Vibrations 3 hrs  
Vibrations Lab- 4 hrs.  
IV '58-59-Taught 6 hrs.; Audited 3 hrs.  
Strength of Materials 4 hrs.  
Strength of Materials Lab 2 hrs.
14. Research Committee - 2 hrs/week.