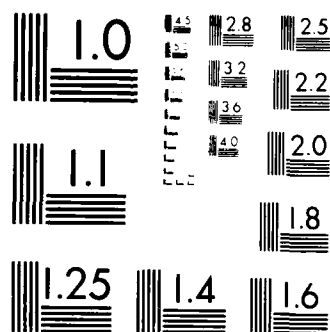


AD-A198 525 AFRAPT (AIR FORCE RESEARCH IN AERO PROPULSION TECHNOLOGY) TRAINEE PROGRAM(U) PRINCETON UNIV NJ DEPT 1/1
OF MECHANICAL AND AEROSPACE ENGINEERING I GLASSMAN
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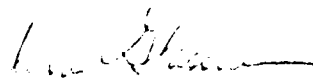
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19. ABSTRACT (Continue on reverse if necessary and identify by block number)			
Three AFRAPT trainees were in residence as graduate students at Princeton during the period 1 Sept. 1986 - 30 Aug. 1987. These students spent their summers working at General Electric-Cincinnati, Pratt and Whitney-East Hartford and United Technologies Research Center. All three students have worked in problems related to combustion. One recently completed a M.S.E. thesis and accepted a position at AVCO-Lycoming to continue working in the aircraft jet engine field.			
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AFRAPT TRAINEE PROGRAM

Written by:



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AFRAPT Representative

School of Engineering
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Princeton, NJ 08544

September 1987

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Mr. Kappelmeier completed two academic years at Princeton. He was recently awarded the M.S.E. degree and submitted a thesis entitled, "Study of the Liquid Behavior in a Pre-filming Air-blast Atomizer". The work was performed under the direction of Prof. F. Bracco. Mr. Konopka is now working under the direction of Prof. S.H. Lam and directing his research attention to problems related to the solution of complex chemical kinetic mechanisms of combustion processes. Mr. Emdee's research topic is the oxidation of aromatic fuels, and he is working under the direction of Prof. I. Glassman.

Mr. Kappelmeier accepted a position at AVCO-Lycoming in Connecticut and will be working on gas turbines. Thus the objective of the AFRAPT program has been nicely met. Mr. Robert J. Lawson accepted a new appointment as an AFRAPT trainee at Princeton and spent the summer at Pratt and Whitney in East Hartford. His efforts at Princeton will be under the direction of Prof. F.L. Dryer and he will work on a problem related to the combustion of heavy fuels.

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