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Resume of Alfred William Madison Cooper, 1957

Cooper, Alfred William Madison

Monterey, California: Naval Postgraduate School

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RESUME OF ALFRED WILLIAM MADISON COOPER

Alfred Cooper was born in Dublin, Ireland, in 1932. At Dublin University (Trinity College) he was awarded an Erasmus Smith Scholarship and a Junior Exhibition, and in 1954 was elected First Foundation Scholar in Experimental Science. In 1955 he received the degree Bachelor in Arts, Moderator in Physics, (First of First Rank). In 1955 he held a Research Assistantship at the Queen's University, Belfast, Northern Ireland, and in 1956 became Assistant Lecturer. His research in Gaseous Electronics led to the award of the degree Doctor of Philosophy in 1961. The Master in Arts degree from the University of Dublin was received in 1958. In 1957 he



was appointed Assistant Professor at the Naval Postgraduate School, Monterey, California, where he is currently Professor of Physics.

Dr. Cooper's academic activities at Monterey have included teaching and course development in atomic physics, optics, plasma physics, gaseous electronics, electro-optics and laser physics. He is currently Academic Associate for Electronic Warfare Systems Technology.

He has carried out research in discharge physics, plasma waves, diffusion, plasma acoustics, and laser-plasma and laser-target interactions, and has published a number of articles and reports in these areas. Current research activities are in optical and infrared propagation in the marine boundary layer, laser physics, and electronic warfare applications.

Dr. Cooper has been a Summer Staff Member at the Princeton Plasma Physics Laboratory, and at the Plasma Laboratory of the Aerospace Corporation, and a consultant to the Aerospace Corporation.

He is a member of the American Physical Society, and its Division of Plasma Physics, the Optical Society of America, the American Association of University Professors, and Sigma Xi.