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### Chaff Radar Cross Section Studies and Calculations

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**Abstract:** The objective of Contract F33615-C-1024 has been to analytically and experimentally investigate **chaff** scattering and the reduction of antenna-related radar cross section. This final report summarizes results obtained during the interim 1 January 1976 through 30 June 1977 on the **chaff** aspect of the effort. Included are summaries of (1) an investigation of scattering by a long wire excited by either a plane wave or by a nearby short dipole with sinusoidal current distribution and (2) an experimental study of small foam shapes very densely coated with **chaff** filaments. (Author)

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