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12. PERSONAL AUTHOR(S)
Harry E. Moses

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19. ABSTRACT (Continue on reverse if necessary and identify by block number)

→ Six papers were written and submitted for publications. this report is a listing of those titles. Some of those titles are: → over

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1. The paper *A Refinement of the Radon Transform and its Inverse* by H.E. Moses and R.T. Prosser was completed and submitted to the IEEE Journal on Antennas and Propagation.

2. The paper *Exact Solutions of the Three-Dimensional Scalar Wave Equation from the Approximate Solutions in the Wave Zone Through the Use of the Radon Transform* by H.E. Moses and R.T. Prosser was completed and submitted to the IEEE Journal on Antennas and Propagation. IEEE Journal on Antennas and Propagation.

3. The paper *Exact Solutions of Maxwell's Equations from the Approximate Solutions in the Wave Zfone through the Use of the Radon Transform* by H.E. Moses and R.T. Prosser was completed and submitted to the IEEE Journal on Antennas and Propagation.

(KT).

4. The paper *Propagation of an Electromagnetic Field through a Planar Slab* by H.E. Moses and R.T. Prosser was completed and submitted to the Review of Applied Mathematics of the Society for Industrial and Applied Mathematics.

5. H.E. Moses attended a meeting of the Biomathematical Society in Portland, Oregon in June. Dr. R. Albanese gave a paper in which some of the work of H.E. Moses and R.T. Prosser on the generation of acoustic pulses in liquids by electromagnetic pulses was quoted.

6. H.E. Moses and R.T. Prosser attended a conference on directed electromagnetic pulses on December 4 1987 at Harvard University, sponsored by the Strategic Defense Initiative organization. Dr. H. Brandt of that organization presided. We presented some of the material of Paragraphs 1 through 3 of this report at that meeting.

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