DR. ALFRED BLUMSTEIN

Alfred Blumstein is a member of the Research Council of the Institute for Defense Analyses, and is the director of IDA's Office of Urban Research. At IDA, he directed the work of the Science and Technology Task Force of the President's Commission on Law Enforcement and Administration of Justice. He had previously been a principal operations analyst with the Cornell Aeronautical Laboratory. In 1963–64 he was a Visiting Associate Professor of Operations Research at Cornell University.

Dr. Blumstein is a member of the Board of Directors of MORS, and in 1964–65, he served as President of the Washington Operations Research Council. He is now Chairman of the Cost-Effectiveness Section of ORSA.

Dr. Blumstein has conducted and directed operations research studies in the fields of naval operations, air traffic control, counterinsurgency and criminal justice.

Dr. Blumstein received the degrees of Bachelor of Engineering Physics from Cornell University, the M.A. in statistics from the University of Buffalo, and the Ph.D. in operations research from Cornell University.

STATEMENT OF DR. ALFRED BLUMSTEIN, INSTITUTE FOR DEFENSE ANALYSES

Dr. BLUMSTEIN. Mr. Chairman and members of the subcommittee, I am honored to have the opportunity to contribute to your deliberations concerning the need for research and development in the control of crime, and on the possibilities of using the resources of the Federal laboratories to meet these needs.

Although I speak today only as a private individual and not as a representative of any organization, my remarks are based on the investigations I conducted as Director of the Science and Technology Task Force of the President's Commission on Law Enforcement and Administration of Justice.

It was during that period that I became impressed with both the urgent needs for a research and development program and the important contribution it could make in creating a criminal justice system that is both more fair and more effective.

In my testimony I would like first to demonstrate the urgent need for such a research and development program and the potential improvements that could result from it. I would then like to indicate some of the requirements for laboratories that will participate in that effort.

Need for research and development

Our Task Force on Science and Technology was composed largely of scientists and engineers experienced in modern technology, much of it deriving from work with military weapon systems. We were all amazed at the primitive level of technology with which the criminal justice system is forced to do its job.

In general, we were surprised to learn how undercapitalized is the criminal justice system: A $3,000 investment in a police car supports a $100,000 annual patrol operation; over 85 percent of most police budgets are used to pay salaries.

Some policemen are forced to stand idle on a street corner even though there may be an emergency nearby simply because they have no portable radios by which headquarters could reach them.

Motorized policemen who leave their radio-equipped cars cannot call for help if they are attached because they now have no link to