

# IBM STRETCH

ATOMIC ENERGY COMMISSION  
LOS ALAMOS SCIENTIFIC LABORATORY



FOR RELEASE:

A. M. 's, Wednesday  
April 19, 1961

FROM: International Business Machines Corp.  
Data Processing Division  
112 East Post Road  
White Plains, New York

Arnold Lerner  
White Plains 9-1900

### MOST POWERFUL COMPUTER IN THE WORLD

POUGHKEEPSIE, N. Y., April 19 . . . . This is STRETCH, the most powerful computer in the world, which now is on its way from IBM's Poughkeepsie laboratories to Los Alamos Scientific Laboratory in New Mexico.

At the laboratory, operated by the University of California for the U. S. Atomic Energy Commission, STRETCH will aid scientists in critically important research in nuclear and thermonuclear energy. The computer's speed -- it is capable, for example, of performing more than thirty billion multiplications in a twenty-four hour period -- makes possible solutions to problems for which equations are known, but which have been too large or complex for economical or timely solution in the past.

From the operator's console (foreground), the system can be controlled and monitored. The central processing unit (right background) is the heart of the computer. At left is the Exchange, which provides a new peak of efficiency in handling input-output devices and is able to control a peak flow of 800,000 characters of information a second.

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