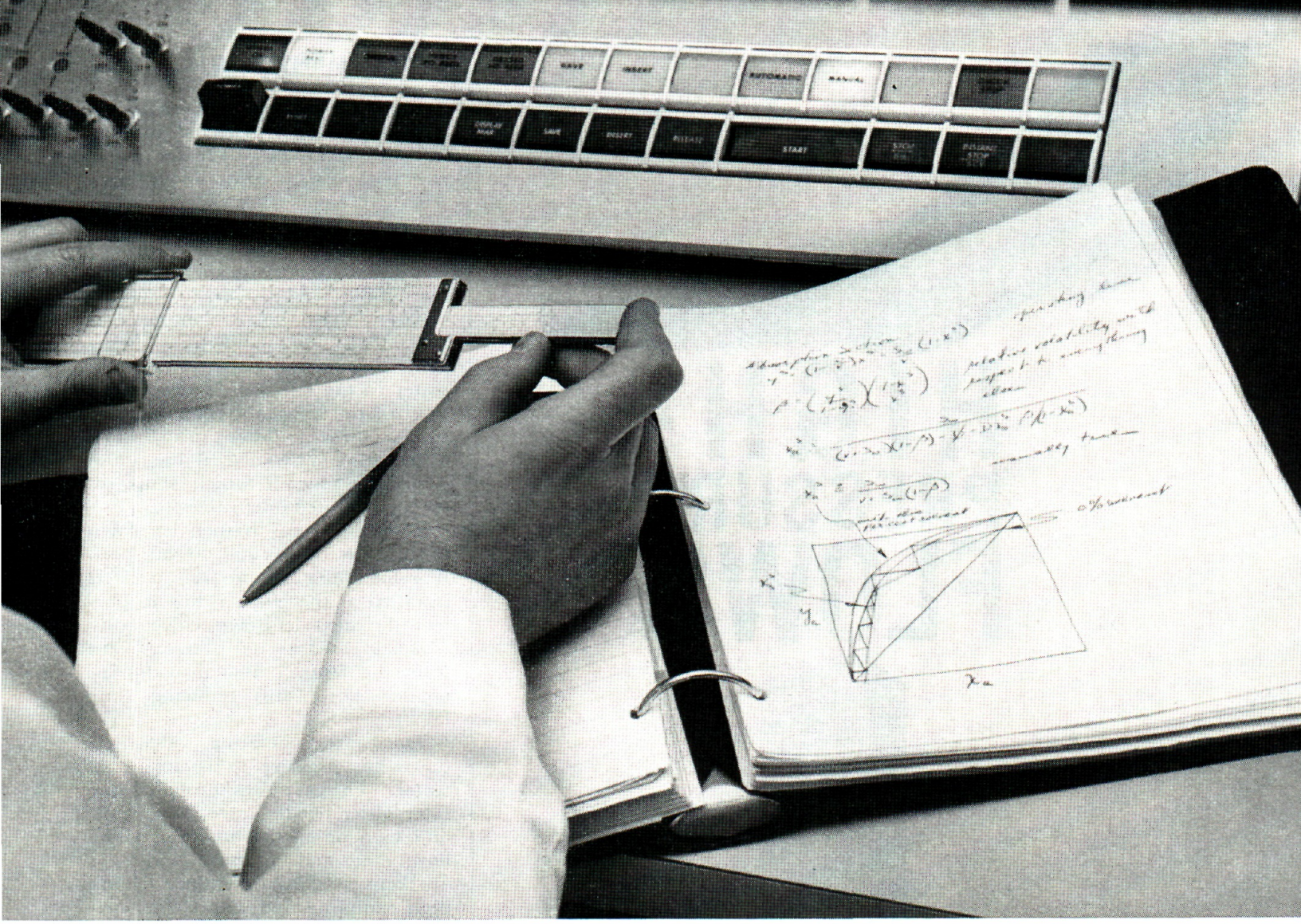

Solve vapor-liquid equilibrium problems quickly, easily with the new low-cost IBM 1620

You can now perform unit operations calculations in minutes with IBM's new Unit Operations Simulator for the 1620. The Simulator consists of 13 automatically available sub-routines*. These are short programs stored in the machine which can be called on to solve your vapor-liquid equilibrium problems.

Included also is an interpreter which allows you to link together the sub-routines you want to use for the problem you are working on at the moment. The *language* of the interpreter is symbolic. This makes it easy to use and eliminates the need to write a detailed program in machine language.

The Unit Operations Simulator is available free of charge to all users of IBM 1620 Data Processing Systems. A basic 1620 rents for just $1,600 a month. Ask your local IBM representative to give you complete details on this versatile, low-cost engineering computer.

IBM's 1620 is a compact desk-size computer.

***Here's what the Unit Operations Simulator does for you:** **1.** Computation of (equilibrium constant). **2.** Computation of (temperature) from a given equilibrium constant. **3.** Computation of enthalpy of a vapor and/or liquid stream. **4.** Find equilibrium constant nearest unity. **5.** Computation of temperature from a given enthalpy of a vapor and/or liquid stream. **6.** Bubble point and dew point calculations. **7.** Split one stream into two at specified ratio. **8.** Mix two streams of same phase. **9.** A mixed feed adiabatic flash calculation. **10.** Adiabatic flash. **11.** Isothermal flash. **12.** Flash to a specified quantity of vapor. **13.** Absorber/stripper calculation using Edmister short cut.

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