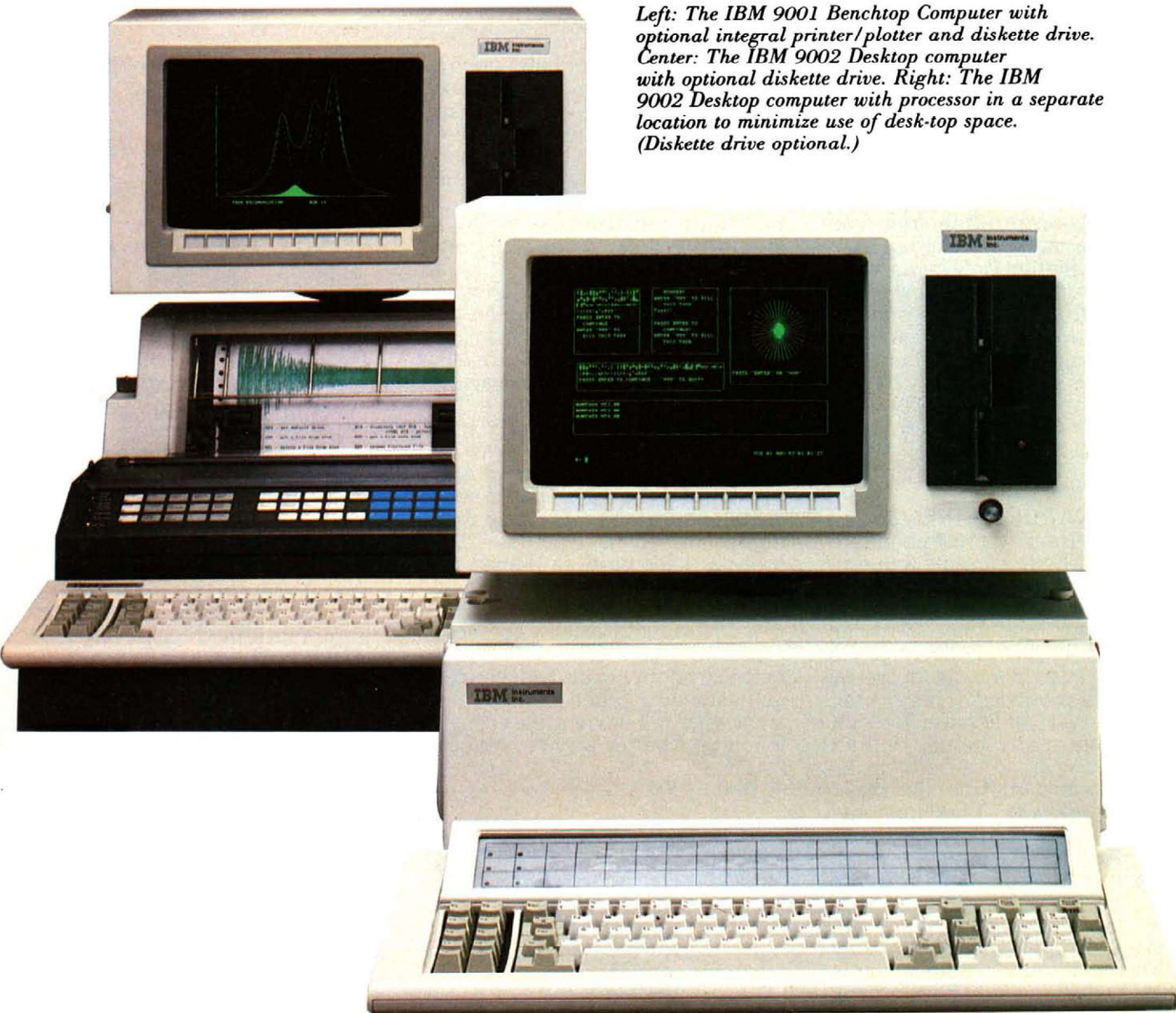# The Enhanced IBM System 9000 Computer

A computer system with higher level of function and performance than other computers in its price range.

System 9000 family

Left: The IBM 9001 Benchtop Computer with optional integral printer/plotter and diskette drive. Center: The IBM 9002 Desktop computer with optional diskette drive. Right: The IBM 9002 Desktop computer with processor in a separate location to minimize use of desk-top space. (Diskette drive optional.)

Major enhancements to the IBM System 9000 give it substantially more capability. A new optional operating system and upgrading of the standard system, combined with other improvements, provide faster operation and many additional functions. A new desktop model makes the IBM 9000 a natural fit for the professional's desk as well as the laboratory bench. Here are the details:

New XENIX† operating system

An optional multi-user, multi-tasking operating system, XENIX (derived from UNIX†† under license from AT&T), combines languages, text processing, program development tools and utilities in a compact, fast and reliable system. Exceptional memory management techniques support up to four simultaneous users, each with multi-tasking capability.

Data output and formatting are handled by a sophisticated but easy-to-use text processing system with many user-definable features. A C language compiler for software development is included. With modification, programs written in Pascal or FORTRAN are generally transferable to the standard operating system. XENIX allows users to

†XENIX is a trademark of Microsoft Corporation. ††UNIX is a trademark of Bell Laboratories. ‡RM/COBOL is a trademark of Ryan-McFarland, Inc.

take advantage of many available UNIX programs. RM/COBOL‡ also is available as an option.

Upgraded standard CSOS operating system

Multi-tasking capability has been extended from six to fifteen tasks. New operating system extensions include a full-screen editor, a new version of the assembler, a new link editor and numerous utilities. Improved FORTRAN and Pascal compilers produce more compact code that compiles and executes faster.

IBM 3101 terminal emulation allows the IBM 9000 to be linked to a host computer or included in a communications network, providing better access to scientific libraries.

A new scientific subroutine library includes 66 individual subroutines in statistics, eigensystems analysis, quadrature/curve fitting and linear algebra.

Disk storage improvements

The capacity of $5\frac{1}{4}''$ diskettes has been doubled to 640 K bytes and the IBM 9000 now provides up to 40 M bytes of hard disk storage (not shown).

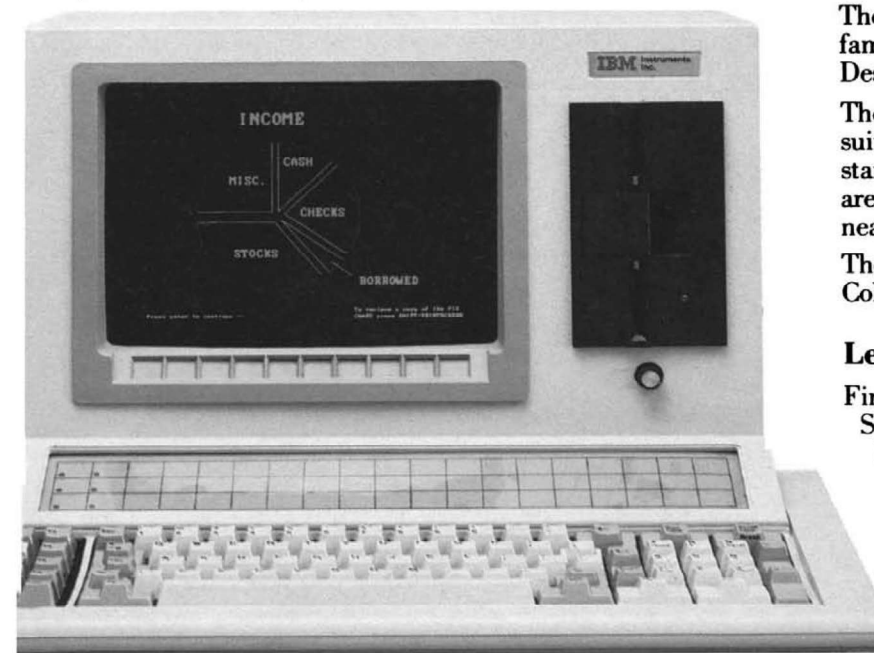### New configuration options

The IBM System 9000 is available in two models, the familiar 9001 Benchtop Computer and the new 9002 Desktop Computer.

The 9002 provides features and functions which are more suited to a professional desk-top environment. For instance, the 9002 processor requires substantially less desk area than the 9001 since the processor can be placed nearby.

The 9002 Desktop Computer supports the IBM 5182 Color Printer. Other printers or plotters can be attached.

Let us tell you more

Find out how these new enhancements to the IBM System 9000 can help you improve both laboratory and office productivity. Send the attached reply card or call **800-243-7054.** In Connecticut, 800-952-1073. Or write IBM Instruments, Inc., Orchard Park, PO Box 332, Danbury, CT 06810.

IBM Instruments Inc.