Ortho Instruments announces the ICP Flow Cytometer — a unique, flow cytometry instrument with high numerical aperture arc lamp illumination. Use of a high-power, HBO 100 mercury lamp has the advantage of providing fluorescence excitation at wavelengths — and with optical filter combinations — which are familiar to the fluorescence microscope user.

The Kohler illumination optics and the large numerical aperture over which the fluorescence emissions are collected — achieve great precision even with cells in which the DNA is irregularly distributed. Measurement of DNA content of cells and even individual chromosomes is made possible by the ready availability of highly specific and stoichiometric dyes for DNA. Two fluorescence detectors permit correlated measurements of two dyes. For example, simultaneous measurement of per-cell DNA and protein content. A large choice of dyes and staining techniques for various cellular constituents is available.

The Ortho ICP Flow Cytometer can be obtained as a stand-alone flow cytometric analyzer, or can be combined in modular fashion with the Ortho laser illumination systems.

For further information contact the Research Instruments Division.
Cancerline. Describes the who, what, when, and where of this computer-based system for retrieving abstracts on cancer research. (A packet describing the International Cancer Research Data Bank program of information services, publications, and other activities can be obtained by writing to ICRDB Program, Office of International Affairs, NCI, Blair Building, Room 114, 8300 Colesville Road, Silver Spring, Maryland 20910.)

Guide to Grant and Contract Programs of the National Cancer Institute (1977). Describes grant and contract programs and funding mechanisms of the NCI.

The National Cancer Institute (1976). Describes the history, organization, and programs of the NCI.

NCI Fact Book (January 1978). Yearly report of the National Cancer Program lists general information about the NCI including budget data, grants and contracts, and a history table.

Important Progress Logged by NCI (1978). A discussion of the agency's recent advances in cancer prevention, detection, causation, treatment, and rehabilitation.

Cancer Patient Survival Report No. 5 (1977). Reports survival rates of patients for 48 specific types of cancer for all stages during five calendar periods.

Cancer and the Environment—A Look at Nationwide Patterns (1977). Discusses what is known about causes of cancer and what is being done to learn more about the effect of heredity and the environment on cancer.

HEW Secretary Joseph Califano's Address before the National Interagency Council on Smoking and Health (January 11, 1978). Discusses the hazards of smoking, research on its harmful effects since the 1964 Surgeon General's Report, and public education efforts. Also includes a number of recent articles which comprise the national campaign against smoking.

Helping Smokers Quit Kit (1978) A complete packet of material for physicians to assist their smoking patients to quit. Each kit contains enough materials for 50 patients.

The Smoking Digest (1977) Gathers and places in perspective the most recent information about smoking. Other sources of information and resources to help develop community programs are included.

Additional Sources for Program Planners and Communicators—Cancer Information Clearinghouse (1978). Explains how health educators and information specialists can use the cancer information clearinghouse to find available materials on various subjects. The following bibliographies list educational materials from many different sources for the public, patient, and professional on various cancer-related topics with selected annotations: Asbestos and Health (1978); Nutrition for the Cancer Patient (1977); Patient Education Materials for Ostomates (1977); Public and Patient Cancer Education Materials in Spanish (1977); Oral Cancer Education (1977); Skin Cancer Education Materials (1978); Smoking and Health: A Selected Bibliography (1978).

All of the above materials, with the exception of Cancerline, can be obtained by writing to:

OFFICE OF CANCER COMMUNICATIONS
NATIONAL CANCER INSTITUTE
BETHESDA, MARYLAND 20205