fallout and the date of first pasturing. Therefore it would seem that the amount of fission products ingested by a milk-drinking, pregnant woman subsequent to 12 May would have been very small indeed.

There could have been little ingestion of fission products with leafy vegetables, for only asparagus was grown and marketed before June 1953 in this area. Asparagus was first harvested on 10 May, according to the records of a representative market gardener.

The cancer report files of this department reveal no increase in the incidence of cancer or leukemia over the past ten years in children of the Albany, Troy, and Schenectady areas—who were 15 years of age or younger in 1963—as compared with children of this age elsewhere in upstate New York.

JAMES H. LADE New York State Department of Health, Albany

Fluorescence Microscopy:

Use in Intracellular Microscopy

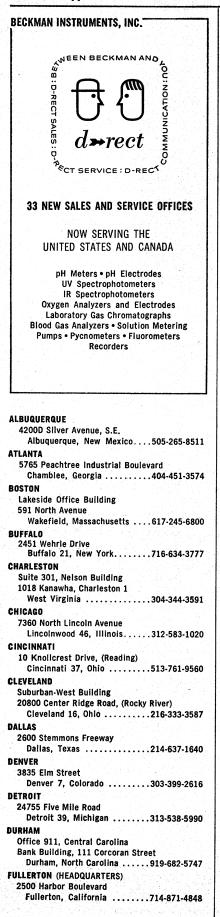
Bullock, in his paper on "Neuron doctrine and electrophysiology" [Science 129, 997 (1959)], calls attention to the difficulty that intracellular microelectrodes must be placed blindly because a tiny glass tip is invisible in a medium of high refractive index. Science publishes numerous reports on intracellular microelectrode studies, and some of those working in this field might find it worth-while to try using fluorescence microscopy with electrodes of a fluorescent glass such as uranium glass or a rare earth glass. Since a fluorescent object is self-luminous, objects of any size and any refractive index can be seen if fluorescence emission is adequate. With preparations thin enough for substage illumination, cells can be made visible by combined phase and fluorescence microscopy [Price and Christenson, Mikroskopie 12, 14 (1957)-(no reprints left)]. Thicker specimens can be observed with an incident light microscope, with cells made visible by a fluorescent dye such as acridine orange, which has been used for vital staining of nerve tissue by, among others, Zeiger and Harders [Z. Zellforsch. Mikroskop. Anat. 36, 62 (1951)].

George R. Price

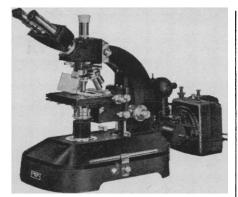
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INDEX TO ADVERTISERS, 13 September 1963

Academic Press Ace Glass Inc. Ainsworth, Wm., & Sons, Inc. Ajusto Equipment Co. Alconox, Inc. Alco Scientific American Edelstaal, Inc. American Optical Co. American Sterilizer Co. Applied Physics Corp.	1108 1099 1076 1101 1098 1115 1101 1116 977 1095
Baird-Atomic, Inc.Baker, J. T., Chemical Co.Bausch & Lomb, Inc.984,Beckman Instruments, Inc., Scientificand Process Instruments Div.Bel-Art ProductsBellco Glass Inc.Bendix Corp., Cincinnati Div.Bishop, J., & Co.Bickman, S., Inc.Borroughs Manufacturing Co.Brinkmann Instruments Inc.Brush InstrumentsBuchler Instruments, Inc.	986 981 1109 1111 1071 1096 958 1090 1093 1105 1107 946 1091
Canal Industrial Corp. Canner's Inc. Chemical Rubber Co. Clay-Adams Colorado Serum Co. Coors Porcelain Co.	1073 1114 1094 961 1114 1086
Delmar Scientific Laboratories	1082 947
Edmund Scientific Co. Electronic Associates, Inc. Elgeet Optical Co., Inc.	991
Fisher Scientific Co.	1087
General Motors Research Labora- tories Gilford Instrument Laboratories Inc. Glas-Col Apparatus Co. Gregg Laboratory Tops	992 1096 957 1085
Hacker, William J., & Co., Inc. 1103, Harford Metal Products Inc. Hayes, C. I., Inc. Honeywell International Honeywell Photographic Products, Denver Div. Hormone Assay Laboratories, Inc. Hyland Laboratories	1100 1079 1075 1092
International Equipment Co.	. 965
Klett Manufacturing Co., Inc. Kirschner Manufacturing Co.	1110 1088
LaMotte Chemical Products Co. Lea & Febiger Leitz, E., Inc. 998, LKB Instruments, Inc London Co. Lourdes Instrument Corp	1084

Mettler Instrument Corp 1080 Millipore Filter Corp 1074
Nalge Co., Inc.1106New Brunswick Scientific Co., Inc.979Nikon Instrument Div., Ehrenreich975
Nuclear Data Inc.989Ohaus Scale Corp.1075Owens-Illinois Glass Co., Kimble
Glass Co. (Div.)
Parr Instrument Co. 1110 Perkin-Elmer Corp. 953 Pennsylvania Fluorocarbon Co
Pfeiffer Glass Inc. 1102 Pharmacia Fine Chemicals, Inc. 967 Phipps & Bird, Inc. 1079 Phoenix Precision Instrument Co. 1088
Photovolt Corp. 1101 Picker X-Ray Corp. 972 Pilot Chemicals Inc. 1109
Pioneer Plastics 1074 Precision Scientific Co. 1075 Professional Tape Co., Inc. 1097 Radiation Counter Laboratories,
Inc. 966 Radiochemical Centre 1085 RCA Scientific Instruments 980
Revco Inc., Industrial Products Div 1096
Sage Instruments, Inc.1072Sanborn Co., Medical Div.978Sargent, E. H., & Co.962Savant Instruments, Inc.1110Scientific Industries Inc.1088Scientific Products, Div. of American973Hospital Supply Corp.973Sigmamotor Inc.1107
Hospital Supply Corp.973Sigmamotor Inc.1107Sorvall, Ivan, Inc.952Standard Scientific Supply Corp.1100Stoelting, C. H., Co.1088System Development Corp.954
Texas Instrumente Inc.
Tracerlab 976
Union Carbide Corp., Linde Div.985Unitron Instrument Co.959University of Chicago Press996, 997U.S. Stoneware1103
Vanguard Instrument Co.960Varian Associates950, 969Vita Vet Labs.1114
Waring Products Corp.1071Wild Heerbrugg Instruments, Inc.1083Wilkens-Anderson Co.1072Wilkens Instrument and Research, Inc.1029–1032
Will Scientific, Inc. 1029–1032 Williams & Wilkins Co. 988 Worthington Biochemical Corp. 1079
Yellow Springs Instrument Co., Inc 1086
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SCIENCE, VOL. 141

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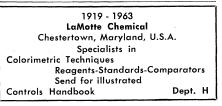
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