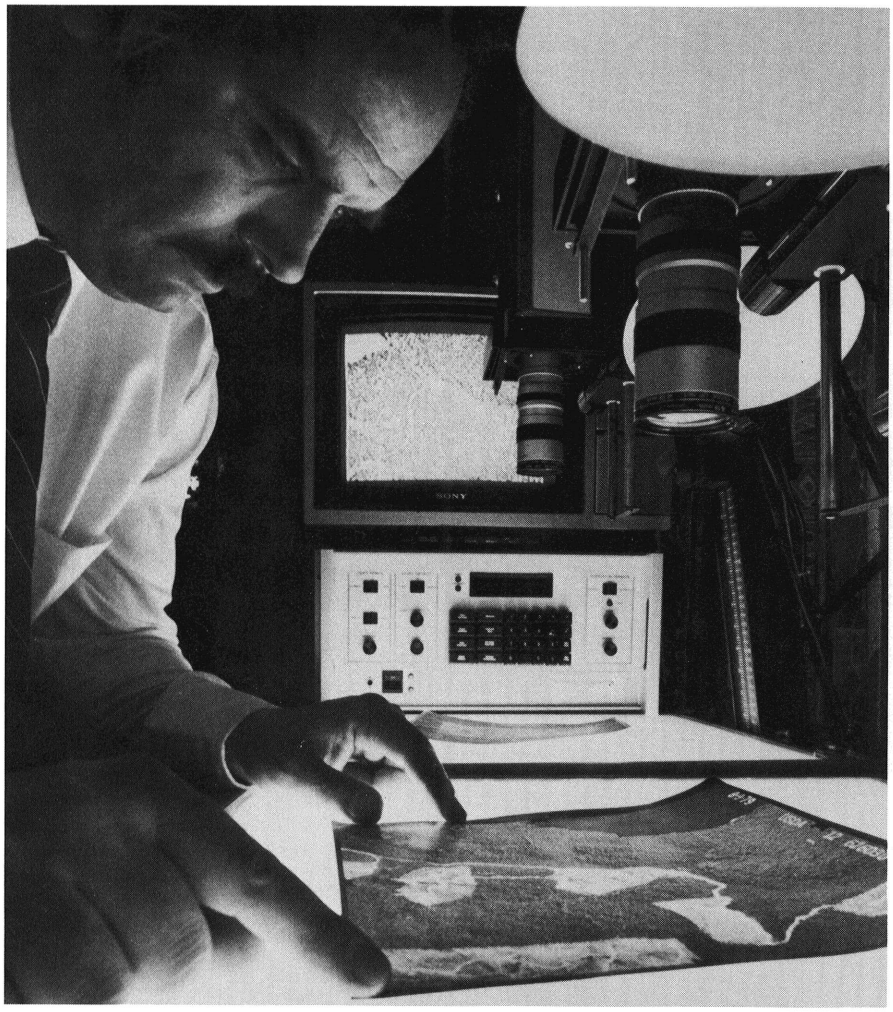
New Electronic Monitor Maps and Analyzes Land Uses

Measuronics System II is an unusual "electronic monitor" that can map, measure, and analyze croplands and rangelands, according to Measuronics Corporation. System II can spotlight areas stressed by disease or lack of moisture; monitor and map progress of insect infestation; measure effectiveness of fertilizers, herbicides, and insecticides; show the location, size, type, and condition of crops and grasses; compare growth rates from season to season or year to year; measure perimeters and areas of farmlands and ranges and give the measurements in anything from feet to miles; and show exact acreages of different crops.

The system consists of two high-resolution video cameras, an electronic image processor, a color video monitor, and a software controller with color printer. The "brain" is the image processor, which takes the graphic input from the video cameras, registers them to the same scale, and feeds a single registered image overlay to the color monitor. Images can be analyzed and areas or distances electronically measured.

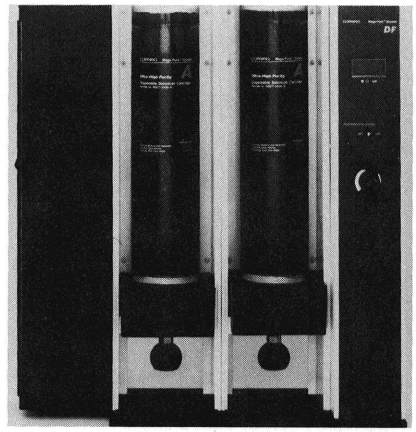
System II works with aerial photographs, video recordings, 35-mm slides, maps, and Landsat images. The complete system lists for under $60,000, including all hardware and software, installation, and training.

Contact: Measuronics Corporation, 4241 North Second Avenue, Great Falls, MT 59401, (406)727-5355.



Deionizers Convert Feedwater to Laboratory-Pure Water

Three deionizers to remove inorganic and organic substances from feedwater have been introduced by Corning Glass Works. The Mega-Pure deionization-filtration system with a preinstalled 0.2-μm filter delivers up to 2 L/min of laboratory-pure water with a resistivity up to 18.3 megohms/cm. The system eliminates cartridge and filter module housings, allowing no-spill draining and avoiding most periodic cleanings to prevent contamination. The D1 single-cartridge and D2 double-cartridge



deionizers feature purity monitors preset to signal the operator if resistivity drops below 50,000 ohms/cm; both models deliver up to 19 L/hr, depending on water flow rates. All three deionizers may be either wall- or bench-mounted. Because the deionizers have no housings requiring bottom clearance, cartridges slip in and out for easy replacement.

Contact: Allen C. Miller, Corning Glass Works, Corning, NY 14831, (607)974-8145.

Plant Tissue Culture Media Come in Premixed Powders

A newly completed line of tissue culture media for fast and economical cloning of plants is being offered by KC Biological for applications ranging from laboratory to commercial greenhouse and agricultural uses. Media are available in premixed powders formulated either with specific ingredients for specific plants or with basal ingredients used by all plants. Many preparations are available with or without agar and with or without sucrose.

Contact: KC Biological, P.O. Box 14848, Lenexa, KS 66215, (607)974-8145.

No endorsement of the products or services described or of the statements or claims made in these listings is assumed by PLANT DISEASE or by The American Phytopathological Society.

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Prepared by R. Kenneth Horst,
Cornell University, Ithaca, NY

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