

**Tektronix products take spotlight at two major trade shows**

# IEEE INTERCON/73/NAB 51st ANNUAL CONVENTION

*Tekweek* salutes Tektronix' participation in two important trade shows—Institute of Electrical and Electronics Engineers conference in New York City and National Association of Broadcasters (NAB) meeting in Washington, D.C.—both scheduled for the week of March 25.

When IEEE Intercon/73 opens Tuesday at the New York Coliseum, Tektronix will have more than 100 products on display. Products being shown for the first time include the Digital Processing Oscilloscope, the 212 miniscope, and the DM64 Telequipment storage oscilloscope.

The Digital Processing Oscilloscope, which will be introduced at a press conference in New York Monday, combines a 7704A scope (acquisition and display) with a P7001 processor and mini-computer.

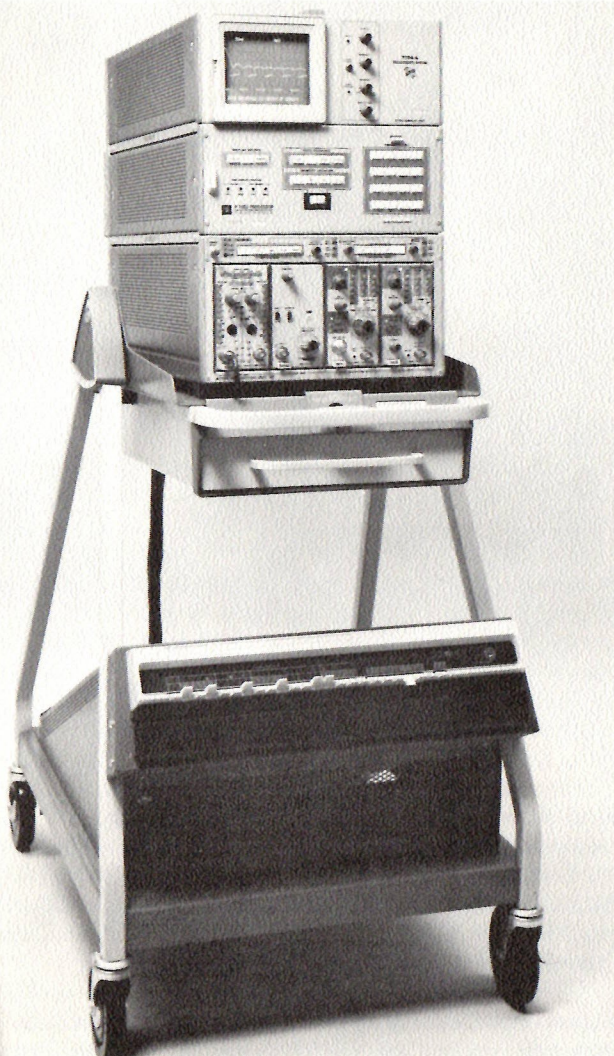
Tek's booth at IEEE Intercon/73 will feature a number of innovations, primarily a large panel showing the

integrated system of the 7000 series. The booth has been redecorated in two shades of Tek blue, and allows 80 linear feet for display.

Tek's participation in the NAB show in the nation's capitol takes on major proportions this year with a large, walk-in display area featuring Tek television products. The booth will be in a prominent position at the entrance to the exhibit hall in the Sheraton-Park Hotel, and products will be displayed by application group.

Tek will introduce eight new television products at NAB. They are the 670 17-inch color picture monitor, 650 matrix monitor, 145 PAL signal generator, 1440 automatic video corrector, 1441 VIR signal deleter inserter, 1478 calibrated chrominance corrector, and 147A and 149A NTSC signal generators.

In this special section, *Tekweek* in cooperation with the Advertising department under Earl Music spotlights a few of the many products Tektronix will feature at these two shows.



*Introducing . . .*

## Digital processing oscilloscope makes bow at New York show

The Tektronix Digital Processing Oscilloscope combines the capabilities of a high-performance laboratory oscilloscope with the computing power and data processing capabilities of a modern mini-computer.

The instrument consists of a Type 7004A Oscilloscope to which is added a P7001 Processor unit and a mini-computer. The P7001 contains a computer I/O interface unit, a D/A converter, an A/D converter, and has a 4-K core memory storage. The P7001 permits an operator to digitize any waveform viewed on the CRT and store it in one of four core memory arrays as well as recall stored waveforms. Digitized waveforms may also be sent to the mini-computer for processing. Processed waveforms are returned to the P9001 memory. Thirteen push buttons on the P7001 provide instant call of prestored waveform processing routines.

The 7704A Oscilloscope accepts more than 25 Type 7000 series plug-in units which provide unmatched signal acquisition capabilities. Signals ranging from micro volts to kilo volts over times from picoseconds to seconds are accessible. Using conventional plug-ins, bandwidths as wide as DC—175 MHz are available. In addition, spectrum analyzer, time domain reflectometer, sampling (bandpass to 14 GHz) digital counter and digital multimeter plug-ins are available.

The mini-computer using Tektronix-developed APD BASIC software can process waveform data with capabilities ranging from addition and subtraction of two waveforms to super-sophisticated FFT convolution and many other routines. If the waveform can be seen on the CRT, it can be stored and processed. The variety of measurements possible is limited only by the programmer's imagination.