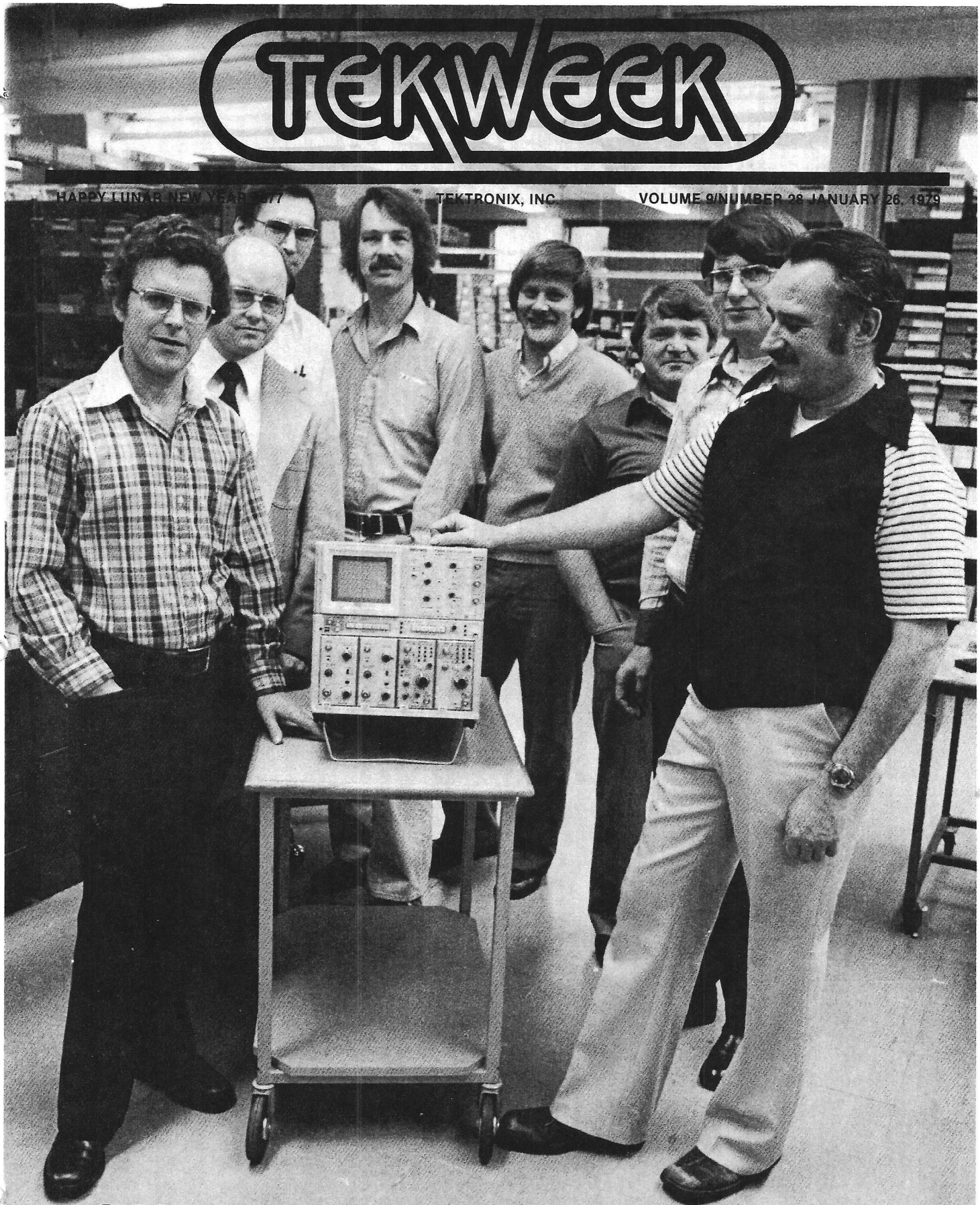
TekWeek

HAPPY LUNAR NEW YEAR 5677 TEKTRONIX, INC. VOLUME 9/NUMBER 28 JANUARY 26, 1979



1-GHz scope makes debut...page 1

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New 7104 1-GHz plug-in scope introduced

An amazing thing happened on the way to development of Tek's newest product, the 7104 plug-in oscilloscope.

Actually, many amazing things happened:

- Tek Labs developed new CRT technologies, and a new integrated circuit process.
- CRT Manufacturing geared up and now builds this most complex oscilloscope CRT.
- IC Engineering and Manufacturing developed new hybrids, and new technical knowledge in the process.
- New components were accomplished in Ceramics, Plastics, Etched Circuit Boards and Component Design.

The 7104 and its plug-ins, the 7A29, 7B10 and 7B15, set new standards of performance for the electronics industry.

Most exciting, according to Eric Lane (Marketing Program manager), is the outstanding writing speed of the micro channel plate CRT. This CRT has single-shot trace brightness which is 1000 times that of the 7904, the previous top of line Tek scope.

The 10mV/div sensitivity of the 7A29 at 1GHz realtime band width and the 200ps/div sweep and the 1GHz triggering of the 7B15/10 time bases are the companion performance achievements in these truly state-of-the-art products.

"And it did take state-of-the-art advances at almost every turn for the Tek team to produce the 7104," Eric said.

In CRT design, for example, Tek engineers developed a distributed horizontal deflection system, a meshless scan expansion lens, and incorporated a microchannel plate electron multiplier—three items which have never before been pulled together in a production instrument.

Other advances in the 7104 range from very high speed integrated circuits—using the new SH3 IC process developed at Tek for this product—to entirely new components throughout the vertical signal path—new attenuators, pc board materils, hybrid circuit connectors, delay line and CRT connections.

The new hybrid printed circuit connector (HYPCON) uses metallized elastomer contacts to make low reflection connection from the pc boards to the hybrid integrated circuits.

"All Tek instruments are the product of team effort," Eric said, "but the 7104 is especially significant because of the many state-of-the-art advances achieved in its development."

ON THE COVER: Tek's newest oscilloscope, the 7104, represents state-of-the-art advances in many areas, including CRT design. Among those on the 7104 team are, from left, Hans Springer, project engineer; Bruce Hofer, design engineer for horizontal plug-ins; Gene Andrews, project manager; John Addis, 7A29 project engineer; Wink Gross, design engineer, vertical system; Howard Nutt, line manager, plug-ins; Dave Morgan, design engineer, horizontal system; and Gary Bohms, engineering technician.

HANS SPRINGER, project engineer, and Gene Andrew, project manager, watch as Greg Lott (Manufacturing technician), adjusts Tek's newest plug-in oscilloscope, the 7104.

Run valentines in Tekweek

Tekweek will print your valentines again this year in a special section on Friday, February 9. If you wish to send a cheery valentine to someone, say a few kind words to or about another Tek, or give a pat on the back to an employee, send your message to 58-166 by Wednesday, January 31. For information, call ext. 5406.

Thoughts to thmink about

The journey of a thousand miles begins with one step. *Lao-Tse (Chinese philosopher).*

Tek will use Canteen menus but maintain daily operations

As a result of a recent study of food service operations, Canteen Company of Oregon will assist Tek Food Services managers in standardizing operating methods.

Canteen is the food management firm now operating Tek cafeterias at Walker Road, Wilsonville and Vancouver.

Acting in a consulting role, Canteen is expected to provide several forms of technical support to Tek's Food Services manager including construction of menus, selection of variety, recipe development and purchasing. They will also continue to act as a reserve source of trained, food service employees filling in requirements for temporary help.

Canteen's involvement is seen as a way to help obtain uniform operating results between cafeterias and improve the overall level of service.

Zipcode change in Dallas

DALLAS, TX—Tek's Dallas Field Office has a Zipcode change which became effective on January 1. The new Zip is **75234**.