

## NCGA expo in Anaheim

# IDG booth to show 'Tek has it all'

"Tek has it all." That's the theme of IDG's 40x40 foot booth for the National Computer Graphics Association show May 12-15 in the Anaheim (Calif.) Convention Center.

Norm Acker (IDG Marketing Operations) said this year's Tek NCGA booth will carry three key messages:

1. Tek has the broadest price performance range of graphic terminals from \$4000 to \$40,000;
2. Tek works with the "who's who" of software vendors who have ported their software to our hardware; and
3. We are demonstrating the best of color ink jet technology.

These messages will be conveyed in four major exhibit areas within the booth:

- Color copier area—with color ink jet printers;
- Low cost products—4100 terminals and TekniCAP (computer-aided presentations) software;
- Outstanding 2D—4111 and 4125 terminals and TekniCAD (computer-aided design) software; and
- 3D area—4128, 4129 3D terminals.

IDG will announce two new products at the show's opening on Monday and both will be shown in the exhibit area the rest of the week. See next Friday's *Tekweek* for details.

Norm added that fixed presentations will be held on the hour of the four exhibit locations with each message lasting 3 to 4 minutes. The presentations will be done in cycle, starting in one location and continuing to the others.

Two audiovisual displays will also be in the booth: The "splash"—a nine monitor matrix for the literature station (see photo below) and an audiovisual station high in the tower at the main entrance to the Tek exhibit with continuous showing of graphic images. □



Raynor Christianson demonstrates the 4125 for Bill Brown during a preview of part of Tek's exhibit for the National Computer Graphics Association (NCGA) show next week in Anaheim. Some of the more complex parts of the Tek display were set up for a trial run May 1 in the Building 63 (Wilsonville) cafeteria.

## Building Y7 gutted by fire

Fire of undetermined origin gutted Tek's NE Portland building (Y7) early Thursday morning. The alarm was turned in at 12:45 a.m.

Fifty Tek employees work in the building, although it was unoccupied at the time of the fire. No estimate of damage was available yesterday.

The Y7 workforce will be back on line Monday at the Murdock Park facility (C1). Photos on page 4. □



This constantly changing display of computer graphics will greet visitors to Tek's exhibit at the NCGA show.

## At 1986 NCGA show

# Memorial set for Ralph Show

National Computer Graphics Association will dedicate Computer Graphics '86, the Association's seventh annual conference and exposition, to the memory of Ralph Show, long-time senior exhibits manager for Tektronix, who died January 18 of an apparent heart attack.

Ralph had served as chairman of the NCGA Exhibits Advisory Committee since November, 1983. His in-depth knowledge of exhibits, industry association and show sites throughout the United States was considered an invaluable resource for the Association.

Jon Reed (Vice President and General Manager, Information Display Group) said Ralph's experience and professionalism directly contributed to Tek's success at trade shows and made him an acknowledged leader in the world of electronic exhibits.

By unanimous vote of the board of directors, NCGA will present a special memorial to Ralph's widow Joan, at opening ceremonies Monday, May 12. Jon Reed will represent Tek during the program.

The four-day conference and exposition will take place at the Anaheim, Calif., Convention Center, closing on Thursday, May 15. □

## In this issue

- DDN design drafting class announced, page 2.
- "Zero Defect Jar" for jobs well done, page 3.
- PLOT 10 GKS certified world first, page 4.

## Faster GaAs IC's offered

TriQuint Semiconductor (a Tek subsidiary) has extended its volume production gallium arsenide (GaAs) integrated circuit (IC) foundry process to 0.5 micron field-effect transistor (FET) gate length, providing a significant increase in speed and operating frequency for IC's designed in the TriQuint process.

Sophisticated custom IC's using both 0.5 and 1.0 micron FET's are easily built in the new process, reports Agit Rode (TriQuint foundry product line manager). The process provides, for the first time, volume manufacturing

capability for microwave IC designs operating up to and beyond 18 GHz.

Like the earlier 1A process, the new HA process can be used for mixing analog and digital circuits, a feature unique to the TriQuint process.

TriQuint began offering the first commercially available GaAs IC foundry service in January 1984, and is now considered to be the leading manufacturer of foundry-produced GaAs IC's in the world. TriQuint services customers in the communications, computer, instrumentation and military aerospace fields. □



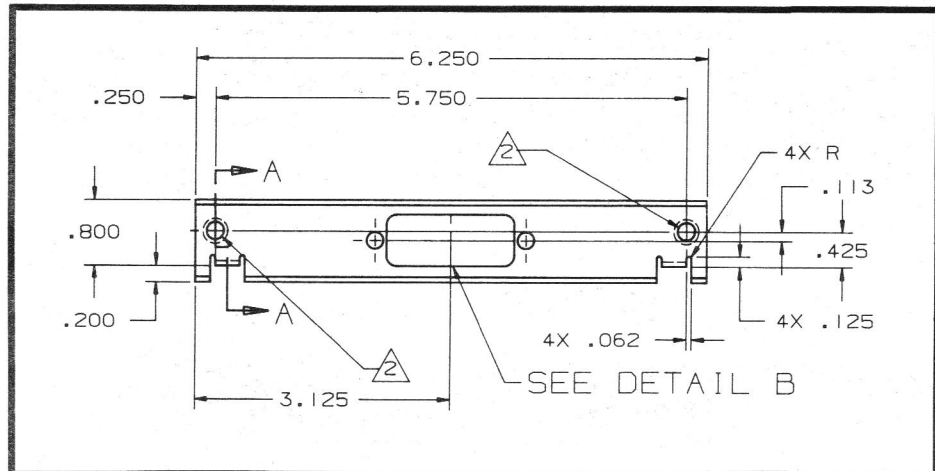
## DDN computer-aided Drafting class announced

Computer Science Center's next Design, Drafting and Numerical Control (DDN) Design Drafting course will begin Tuesday, May 27, for 10 weeks in Building 74, classroom 5. The class meets Tuesdays and Thursdays, 4:30-7:30 p.m.

DDN is a computer-aided engineering program used by designers, drafters, prototypers and others throughout Tektronix. Prerequisites for the Design Drafting course are "Introduction to DDN" and advanced drafting experience. Basic VAX/VMS is also highly recommended.

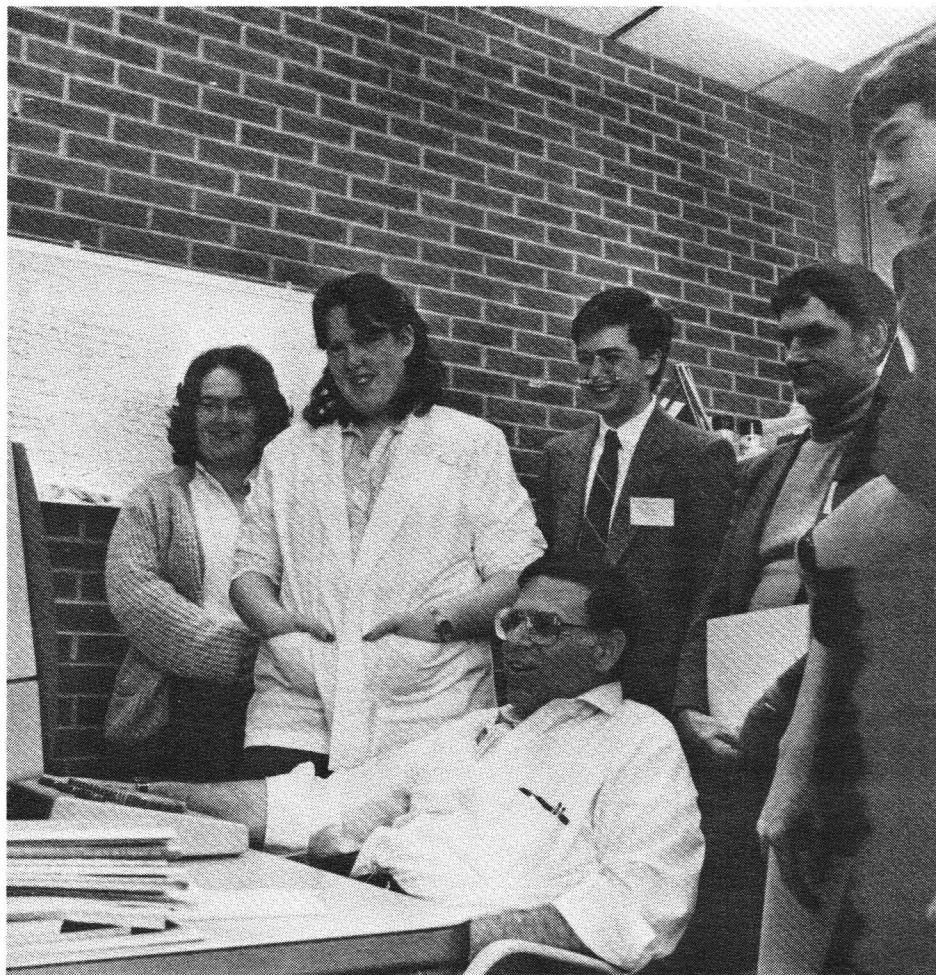
The class, taught by Robin Adams, covers use of DDN for layout, detailing and dimensioning mechanical drawings. Students learn to use DDN menus for drafting construction and line work and for creating notes, symbols and geometric patterns. Use of ME database for saving and retrieving drawing files will also be taught.

Tuition is \$290. Students can use their own host accounts if they have one or a class account on the MCAXI computer. To register, call CSC Training, 627-1377. □



This drawing was drawn and dimensioned with Design, Drafting and Numerical Control (DDN), a computer-aided engineering program sponsored by the Computer Science Center. DDN's Design Drafting course, which begins May 27, teaches computer-aided drafting on Tek's color graphics terminals.

## Oregon math students tour Tek



Ralph London (Computer Research Lab) uses "the drunken cockroach problem" in a demonstration for some touring high school students, teachers and parents. The students are local winners in a state-wide math competition. Portland Community College (local sponsor) arranged a tour of Tek's Computer Research Lab as a prize for the winners. (The problem deals with how long a drunken cockroach takes to randomly touch all sections of a grid.)

## Statistics

### Birth

Ashley Rae, 7 lbs 4 1/2 ozs, to Suzette (LA Procurement) and Kurt Albee, on April 19.

### Deaths

Alice Smiley (retired) died April 24, 1986, after a long illness. She started at Tek in 1980 and last worked for Art Tarpinian in IDG ECB Etching, Wilsonville. She is survived by a daughter and a son.

Zobeda Robinson (Ft. Lauderdale FO) died April 24, 1986, from cancer. She started at Tek in 1984. Zobeda is survived by her husband James, three sons and two daughters.

### Thank You

I would like to take this opportunity to thank everyone who attended my luncheon and retirement party on April 24. Many thanks to Robert Fish for "roasting" me! A special thank you to Iris Cox and Joan Severson for all the work that went into the party. Thank you again. Roman Bijan □

## Advisor scheduled

An advisor from Marylhurst College's Business & Management department will be at Tek Beaverton for advising sessions on Thursday, May 15. For appointments, call Corporate Education, 627-8471. □

## Letters to the Editor

Comments (company-related) from employees are welcomed, with Tekweek reserving the right to edit letters for good taste and length. All letters must be signed. Opinions expressed are not necessarily those of the Tekweek staff or the company. Send letters to del. sta. 53-078.

### Double standard cited

To the Editor:

Sharing hard times can work to bring a group together in a way that nothing else can match. One does not mind making sacrifices when everyone else is doing the same thing. In fact, the situation can generate a feeling of pride and team spirit that help people get through the tough times.

Unfortunately, the reverse is also true. Enduring sacrifice seems to be pointless and discriminatory when privileged groups are exempt. Double standards usually lead to morale problems such as productivity loss and increased absenteeism (to say nothing of the loss of respect for those supporting the double standard).

I am working in a division that has had a lot of shutdown days with more to come before FY600 ends. I schedule business trips for many people who must fly all over the world on a regular basis.

Many, but not all, of these people require that their flights be on certain airlines and refuse to fly on other air-

lines. They require this privilege even when it costs Tektronix more money in airfare.

I recently scheduled an individual on the airline of their preference at the cost of \$240 more than the flight they were booked into by Tek Travel. In one quick action, this individual cancelled any benefit Tek gained from my last three shutdown days. Why is this allowed to happen?

Name withheld by request

### Additional mail tips

To the Editor:

The Beaverton Mail Center wholeheartedly supports the article from Mary Ann Astin of Salt Lake City (Tekweek, April 18). Some additional tips for mailing to field offices are:

- The Beaverton Mail Center in Building 74 provides consolidated field office mailing through the Post Office in Beaverton, and the Traffic Department in Building 78. Private couriers such as United Parcel and Federal Express are typically handled through Traffic only.

- The Mail Center sends all single piece mail within the U.S. via 1st Class unless directed differently by you, the customer.

- It is not necessary to use envelopes when sending correspondence to the field. Save time and money by hi-lighting the addressee and correct field office code directly on the material. We will batch all mail in large envelopes or bags for each destination.

- Make sure your destination is clear and accurate. Use the Field Office Codes on page 69 of the March 1986 Communications Directory. The codes appear in the TEKFAST address column.

Our thanks to Mary Ann for sharing her concerns and suggestions for improvement.

Judee Johnson  
Beaverton Mail Center Staff

### Team concepts vs. wages

To the Editor:

There are groups in Tek right now that are on the JIT concept. Some of these groups link an individual's performance and pay with the other team members in his or her group, with other groups, with manufacturing performance, and plant performance.

That means that if your plant performs well enough to receive money for an increase, but your group did not do well, whether you did well or not, you would probably not see an increase in pay.

Team concepts are fine; needing tools to measure performance is fine. 7K is in the early stages of going on JIT. Although I will go with whatever the final decisions are, because Tek is my company, too, I would like to go on record as saying that I totally disagree with implementing wages in this manner. To affect some other person's pocketbook by my performance or vice versa, is unfair. It seems to be a way to make it even harder, when freezes are over, to get an increase.

I pray that it does not come to that.

Ted Finck  
7K ECB Dispatch

## Tekweek

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## PSU advising set

Ed Cavin, PSU Admissions, will be in Tek Beaverton for general advising on Friday, May 23, beginning at 9 a.m. To schedule an appointment, call Mary Bagley (Corporate Education), 627-8470. PSU summer schedules will also be available at that time. Pre-registration continues through Friday, June 6. □



Count me in as a volunteer for Tek's 40th anniversary celebration July 4. I'm interested in helping with:

\_\_\_\_\_ 10K Run

\_\_\_\_\_ Bike race

\_\_\_\_\_ Fun and games

\_\_\_\_\_ Children

\_\_\_\_\_ Adult

Name \_\_\_\_\_

Mail Stop \_\_\_\_\_

Phone \_\_\_\_\_

\_\_\_\_\_ Safety

\_\_\_\_\_ Food

\_\_\_\_\_ Entertainment

\_\_\_\_\_ Stage Construction

\_\_\_\_\_ Other \_\_\_\_\_

Clip and return to Tek's 40th, m.s. Y3-401. For information: 643-8256.

5-9



## Employees recognized

# Added value in Telecommunications

Employees who have made significant contributions in the effort to upgrade telecommunications service at Tektronix were recognized in a ceremony Friday, May 2.

Jack Thomas (Telecommunications manager) presented certificates to the following members of his department:

- **Bill Bagley, Mike McGowan, Wally Morrison and Bill Ornelas**, for upgrading and redesigning Tek's broadband network, involving considerable night and weekend work to prevent disruption of the engineering network.

- **Jan Schisler and Carolyn Hart**, for specifying system requirements so credit card users are held accountable for their calls.

- **Pat Ansley**, for designing a system, in cooperation with Jan and Carolyn, to run on the IBM PC.

- **Tom Cooper and John Hammond**, for enhancing the Danray telephone system and the Sytek data communications system, extending capabilities of these systems beyond the manufacturers' design and providing these capabilities at a reasonable cost.

- **Sylvia Durecka**, for development of a program giving greatly improved service to customers from the operator console.

- **Linda Meiwes**, for working with Sylvia to bring the Danray customer data base on line. She also took part in a program to reduce excess telephone trunking, saving Tek \$40,000 per year.

- **Joan Towne**, for leading the team effort in the \$40,000 trunk reduction program.

- **Mary Gerdes**, for leading a team effort which resulted in recovering \$25,000 on incorrect billing charges for telephone lines.

- **Kim Vandermore**, for developing an automated means of testing performance to data modem equipment. These tests can now be conducted outside of normal business hours, more effectively and thoroughly.

Larry Choruby (Senior Vice President and Chief Financial Officer), in his introductory remarks, emphasized the importance of going above and beyond the normal demands of a job, thus adding extra value. □



Tek's Telecommunications department honored 14 employees who have made significant contributions to improving service of the department. They are, first row from left, Kim Vandermore, Joan Towne, Bill Bagley, Linda Meiwes and Mike McGowan; standing, Thomas Cooper, Sylvia Durecka, Wally Morrison, John Hammond, Pat Ansley and Bill Ornelas. Missing from photo are Mary Gerdes, Jan Schisler and Carolyn Hart.

## At ARC on June 9

# Tek's China program explored

"AM/PAC: The China Program" will be the topic of the June 9 Area Rep Conference starting at 1:15 p.m. in Building 16 cafeteria. Bud McElfresh (General Manager, Americas/Pacific Operations) will be topic speaker. The following is a preview of the presentation:

A nation with one billion people, China represents a big market for electronic goods and services. After decades of isolation, China is committing substantial resources in the area

of science and technology to leap into the 20th century. Through 1987, the Chinese government expects to spend about \$31 billion in technical renovations, including \$5.2 billion for imported technology and equipment.

Tektronix developed an interest in China when the door to the West first opened in 1979. Tek committed to the initial development of this market with the establishment of the China Project in 1981. Sales in FY100 were

\$430,000. China sales this year (FY600) will total several million dollars. Personnel are based in Hong Kong, Beaverton and Beijing.

Bud McElfresh, who has worked extensively in the China market, will present the China program, covering the history of our involvement in this geography, and our recent activities there. These include the establishment of a subsidiary in Hong Kong, to open in July, 1986; the opening of the Tek representative office in Beijing in May, 1985; and a manufacturing cooperation with the 21st Radio Factory in Shanghai in 1985. He will review the

## SDS 'Zero Defects'

# Jar recognizes jobs well done

Systems Development and Support's "Zero Defect Jar" in Building 55 is a quality improvement project that recognizes individuals for jobs well done, increases awareness of the volume of work done by the group, and gets Manager Larry Bunyard (who thought up the idea) to pay for a party.

Every time a new or modified computer program runs right the first time, the person responsible gets a dime to add to the jar. The system thus serves to recognize business

dimes and drops them into the jar.

Over the last six months, the successful implementations have added up to about \$180—putting into perspective the volume and quality of

work being done by the group.

When the jar is full, the dimes will fund an activity to be chosen by the teams. □



Dolores Poitras was one of seven people who added dimes to the "Zero Defect Jar" on a recent Tuesday morning in Building 55.

# CHINA

organizational structure necessary to carry on the China business.

Of particular interest will be Bud's discussion on the challenge of doing business in China, such as the Chinese bureaucracy, environmental and cultural considerations, and the lack of an effective infrastructure due to their years of isolation.

Corporate management representative for the June Conference will be available. □

Send questions, suggestions or observations on "AM/PAC: The China Program" or any other areas of concern on blue question forms to Donald P. Gantzer, Y3-447, by Wednesday, May 14. For more information, call Don at 643-8130.

## Traffic tip

To discourage car thieves, close all your windows, lock the ignition and steering wheel if possible, lock all doors and take the key with you. Do not leave packages, bags or valuables visible; put them in the trunk. Guard your car keys and consider installing an alarm in your car. A traffic safety tip from Security Services. □

TEK  
Quality UPDATE

systems programming and support people for major projects as well as for the cumulative effect of many small changes.

Every Tuesday at 9 a.m. a bell summons all the Systems Development and Support staff to gather around the "Zero Defect Jar." The managers of each programming team then take turns announcing the successful first time implementations by their group for the previous week. Each person responsible for an implementation receives the appropriate number of



## Blaze under investigation

# Fire guts Tek's NE Portland facility

**“W**e're pulling together—the Tek Spirit wasn't burned up in this fire.”

Those were the words of Gunhild Miller (NE Portland plant manager) as she and her managers, Gary Bailey (Production) and Billye Stewart (Materials) delved into the massive cleanup effort at Tek's NE Portland building (Y7) Thursday morning.

Fire of undetermined origin gutted the facility a few hours earlier and no estimate of damage was available at press time.

Maintenance employees at the adjacent state welfare office turned in the alarm at 12:45 a.m. and the fire was under control by 1:20 a.m. Firefighters from the Portland Fire Bureau broke a hole in the ceiling above the production area in fighting the blaze.

The “Golden Lab,” a 24 × 24 foot enclosure of copper mesh built last summer to reduce radio wave interference in the test area, was still standing although somewhat scorched.

The NE Portland facility assembles and tests several oscilloscope lines including the 200, 300, 110 and 2300 Series. One Y7 employee remarked that losses were minimized because of JIT (Just-in-Time) with most of the instrument parts located in Building C1.

Gunhild said Bill Turner began relocating Y7 operations Thursday morning and the 50 NE Portland employees will report to work in Clark County on Monday morning. □

## Late-breaking news takes precedence

**T**o bring you up-to-date photos of the fire in Y7, we had to remake this page. Originally, we had the following articles planned:

- PLOT 10 GKS certified world first in the industry.
- First shipment of DA 4084 leaves C1 for the Army (photo).
- Tek, Hughes Aircraft cooperate for a technological breakthrough.
- Electronic Business Data Interchange to be explained May 21.

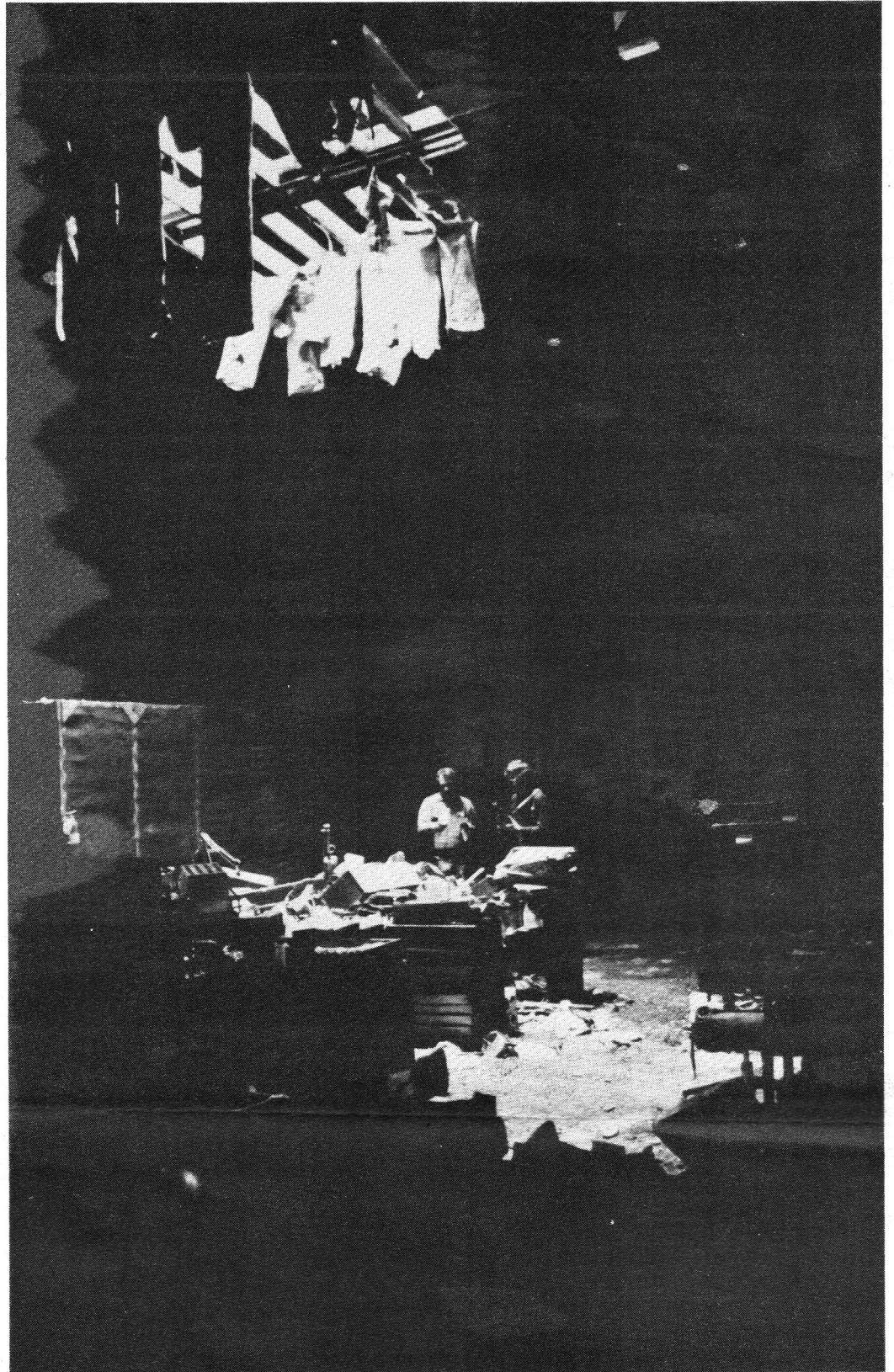
These articles will appear next week. □



Another loss for Bambi—this mini-scope was due to be shipped to Disneyland yesterday. The card addressed to Bambi was signed by Y7 employees. An employee observed that Bambi's father was also lost in a fire (of the forest variety).



Little damage to the building's exterior was evident to passersby late Thursday morning. This small pile of debris was near the rear door of the section of the building occupied by Tektronix.



Two employees are spotlighted by Thursday morning light filtering through the “skylight” created by firefighters to permit escape of heat and smoke from the building.



A sample of internal damage. (Thanks to John Lingle for loan of his flash unit.)