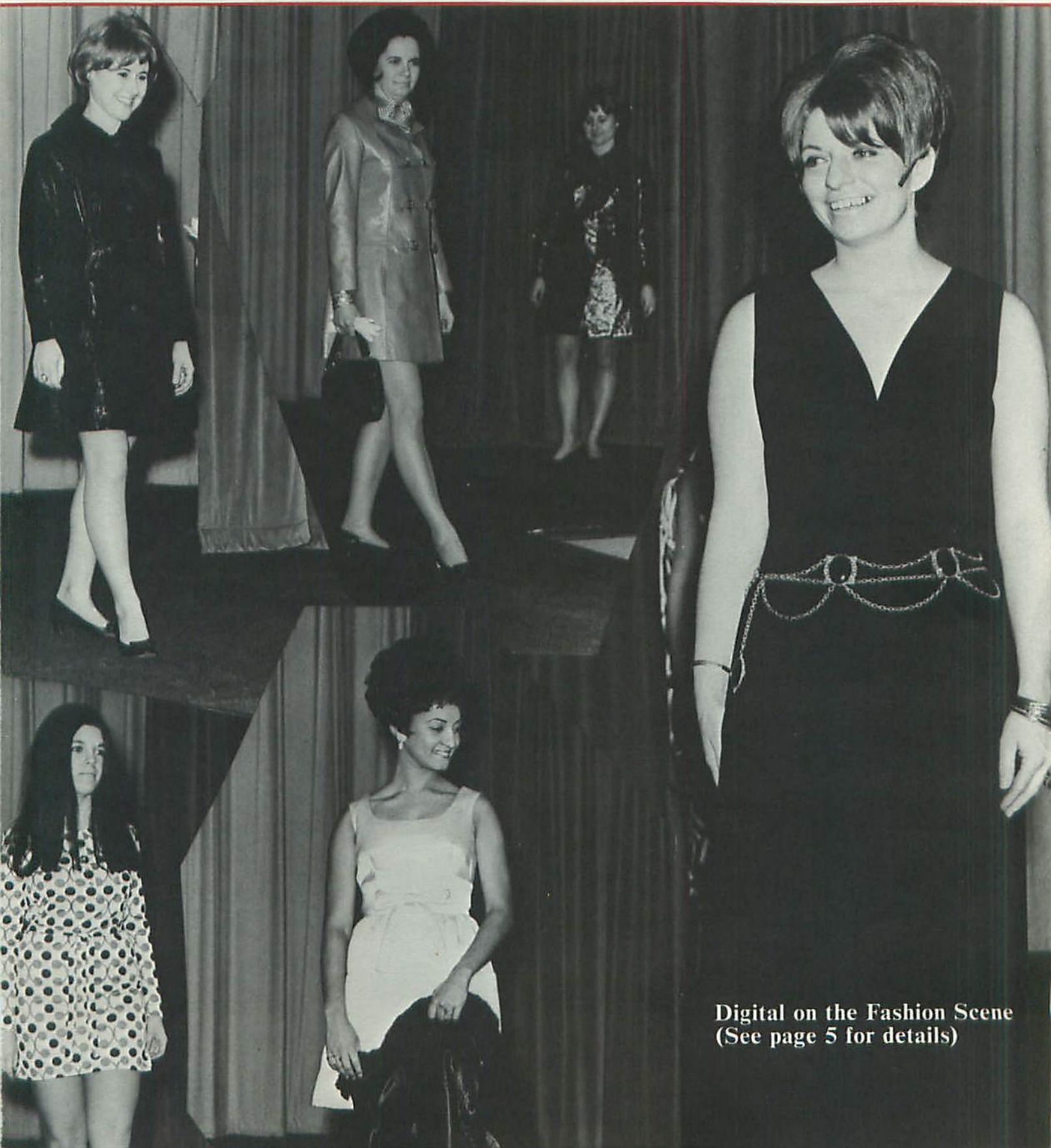


ONLINE

DIGITAL EQUIPMENT CORPORATION

FEBRUARY 1970



Digital on the Fashion Scene
(See page 5 for details)

Westfield Plant Opens

Digital's Westfield plant officially opened its doors last month and has started production of computer cabinets. The first completed cabinets will be shipped to Maynard this month.

Transfers to Westfield include Dan Sullivan, Metal Fabrication Manager; Verne Hillman, Production Manager; and Dave Wilkinson, Personnel Manager. Mike McGraw has replaced Dan Sullivan as Metal Fabrication Manager in Maynard.

Among the first Westfield hires are Patricia Hall, Alden Smith, Charles Auclair, Bill Szalankiewicz, Kathleen Hamel, Gene Carroll, Janice Kielbasa, John Prince, Francis Dzwonkoski and Chester Lewinski.



The first employees at the newly opened Westfield Plant included (l. to r.): Verne Hillman, Charles Auclair, William Szalankiewicz, Patricia Hall, Alden Smith,

Kathleen Hamel, John Prince, Janice Kielbasa, Chester Lewinski, Francis Dzwonkoski, and Dave Wilkinson.

DEC Gives Computers To 15 Schools

December 1969 was a record month as far as Digital Equipment Corporation equipment contributions were concerned. Fifteen computers were donated to

schools by DEC, and many other organizations or schools received contributions in the form of substantial equipment discounts.

"High schools and vocational schools selected to receive computers were picked because of their advanced curriculums and the contributions they could make toward furthering the use of computers in educational programs," stated Richard May, education markets specialist.



On December 24, Vice President Nick Mazzaresse had the happy task of signing letters to 15 educational institutions, most of them high schools, informing them of contributions of PDP-8/L or PDP-8/I com-

puters. Looking over Nick's shoulder are PDP-8 Product Line Manager Bill Long (left) and Education Marketing Specialist Dick May.

Among the high schools receiving computers outright were: Belmont Hill, Belmont, Mass. (PDP-8/I); West Warwick H.S., West Warwick, R.I. (PDP-8/L); Acton-Boxborough Regional High, Acton, Mass. (PDP-8/L); Cherry Hill High, New Jersey (PDP-8/L); Don Bosco Technical High, Boston, Mass. (PDP-8/L); Van Nuys Baptist Day School, Calif. (PDP-8/L); Summitt High School, N.J. (PDP-8/I); Spring Branch High School, Texas (PDP-8/I); DeKalb Area Technical School, Decatur, Ga. (PDP-8/L); Glenbrook South High School, Glenview, Ill. (PDP-8/L); and Newport-Mesa Unified School District, Newport, California (PDP-8/I). Colleges receiving computers included: Carleton College, Northfield, Minn.; Pennsylvania University School of Medicine, and California Polytechnic Institute.

Sizable contributions involving timesharing systems were made to the Berkshire Community College, Mass.; Brooklyn College, New York; and Area 9 Schools, Iowa.

Several medical schools and hospitals were also on the list of organizations receiving contributions toward the purchase of equipment.



John Fulton, Sales Manager of the Automatic Liquid Loading Company, is overwhelmed (and threatened to be buried in) the literature he will receive when his PDP-8/L system is finished.

Tech. Documentation Produces Mountain of Literature

The Technical Documentation Department, as if started by a handful of magical beans, is blossoming like Jack's beanstalk.

One reason is the tremendous amount of literature the Department publishes to accompany our computers.

A typical PDP-8/L customer, for example, receives some thirty instruction manuals occupying almost as much space as the computer itself.

Technical Documentation, managed by John Bellantoni, is temporarily conducting business in the former Atkins and Merrill Building on Great Road in Maynard. Numbering nearly fifty at present, the group produces users' manuals for our customers and field service personnel, other technical documents, brochures, posters, presentations, and a multitude of graphics arts creations for all departments at Digital.

The size of the department and its output of more than 300 manuals per year reflect the emphasis that Digital places on in-depth customer assistance and service.

The Department is divided into three groups: Technical Writing, Documentation Production, and the Photography Laboratory. The technical writers, who

(Cont. on page 6)

Covers Computer!

Princeton Sales Engineer Helps to Evacuate Building After Plane Crash, Fire

A Digital field service engineer proved to be the man of the hour when a small airplane crashed into Applied Data Research's Princeton, New Jersey, headquarters and set the building ablaze.

The pilot, on his way from Maine to Philadelphia, had developed a leak in his fuel tank, and apparently panicked as he tried to land at the Princeton airfield.

DEC engineer Joe McDermott (coincidentally a volunteer fireman); Princeton Field Service Manager Mel Mager; and PDP-10 Support Specialist Frank Sjolie were on the first floor of the two-story building at the time of crash. "It sounded as if someone had dropped a typewriter upstairs," said Mel, "until someone ran down the hall shouting that a plane had crashed into the upper floor."

Swinging into action, Joe helped to evacuate about fifty people from the burning building and then covered the PDP-10 system to prevent it from being damaged. "We thought that the pilot was still in the burning plane and lost," said Joe, "until we found him downstairs, dazed. If he hadn't been so low on fuel because of the leak, he would very probably have been burned severely or even fatally."

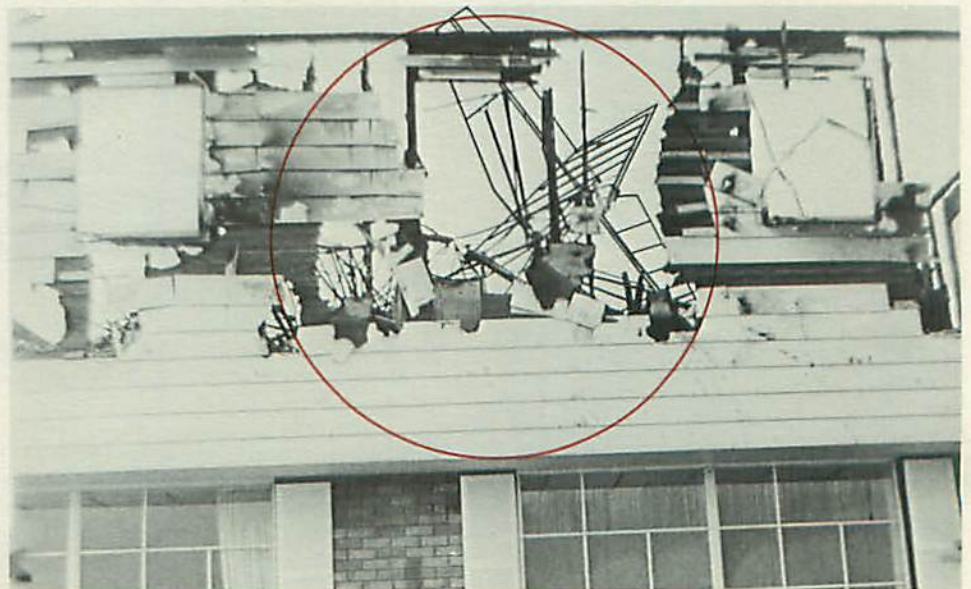
The building, which is opposite Princeton's small airport, housed approximately one hundred people and four DEC computers, including the PDP-10. At the time of the crash, approximately half of Applied Data's staff was out to lunch.

Thanks to Joe's quick action, the PDP-10 escaped practically unscathed. Although a bit waterlogged it was back in action the next week. A PDP-7, a PDP-8, and a PDP-8/I also got a drenching from the fire hoses but were dried out and back in operating condition a few days later.

Other than a few bruises to the pilot, who was the lone occupant of the plane, there were no other injuries. The roof and second floor of the building were totally destroyed, and Applied Data was forced to move to another building.

"It was quite a shock to run out of the building and see the tail of a plane sticking out of the roof," Mel states. "The pilot stepped out of the plane into the second floor room."

"The pilot stepped
out of the plane
into the
second-floor room!"



Tape Preparation Girls Can Become Programmers

"The word 'mistake' isn't part of our vocabulary," said Ilse Peters, Supervisor of the Tape Preparation Group.

With that formidable statement, Ilse introduced her girls. A service group within the Programming Department, the Tape Preparation Group, with 13 girls, makes paper tapes of programs, data, and write-ups, as well as doing occasional keypunching. In addition, they edit on various machines, not only for Programming but for many other Company groups.

The Group's day revolves around computer time. Two timeshared PDP-10's and two PDP-8/L's are at the girls' disposal between 8 a.m. and 5 p.m. every day, and they can use a PDP-9 four hours each day. Those who aren't scheduled for computer time type up programs submitted by the programmers and leave them for editing by the girls on the computers.

What sort of background do you need to be a Computer Operation Technician? Any of several backgrounds would enable you to qualify if you are willing to put some effort into on-the-job training.

When a girl first joins the group, she is taught the binary and octal numbering systems and given lessons on the PDP-8/L and the PDP-5, which are two of the

(Front to rear) Constance Whelan, Margaret Symonds, and Christine Peters work on a remote station of the PDP-10, which is in Building 5.



(L. to r.) Monica Krysiak, Sandra Dickinson, and Gail Burke check a paper tape for registration.

easiest DEC computers to learn. Later, she graduates to the PDP-10 and other, more complicated computers. When she has had some "hands-on" computer experience, she attends the basic programming class.

The girls enjoy their work because there is always something different to do and something new to learn. If they master one computer, there's another.

Mary Tamir believed that she would go right into programming after completing computer school, but she was mistaken. She soon discovered that she would be fortunate to get *any* job in the computer industry at all with her scant training and lack of experience. When she came to Digital, "everything was new," but she learned quickly and is as excited about her job as the others are.

Gail Burke decided to try computer work after two years of college. She finds tape preparation "different from anything I've done, but once I'd gotten some experience, I loved it."

Margaret Ewing graduated from UMass with an English major. Since she was interested in computers, she applied for a job at Digital. "There's a lot to learn, but it's not difficult," she claims.

Chris Peters taught grammar school for nine years but decided to try something different when she moved to Massachusetts from Pennsylvania.

Margaret Symonds molded plastic in a factory for 15 years before she decided to go to computer school. Like several others, she found her training inadequate for programming, but she is working toward it on her own.

Down in the depths of Building 5, working on the PDP-10 system, Sandra Dickinson and Monica Krysiak bubbled over with enthusiasm as they discussed their jobs. Sandra had two years at UMass, with a history major, when she married. Her husband is in Viet Nam and Sandra is enjoying learning tape preparation.

Monica worked as a clerk-typist while she attended school for business administration and keypunching. When she graduated, she found that the state-of-the-art in computer science changes very quickly and her training was of little value.

The remaining Group members include Sheila Ford, Joanne Maslanka, Constance Whelan, and Sandra White. To them and the others, each day brings new challenges and victories.



Sheila Ford takes her turn on the PDP-10 Teletype, while Margaret Ewings changes DEctapes.

Ottawa Office Emphasizes Teamwork

By Carl Gottlieb

The Ottawa district office emphasizes teamwork as an important ingredient in its plan to serve the predominantly Government market in Canada's capital city. Because the Canadian Government is a leading purchaser of computers and related equipment, many competing technical companies have located in Ottawa, providing a very competitive environment.

Dave Whiteside, Ottawa District Manager, says that in such an environment, teamwork is especially important. He remarked, "Our aim is to provide the best possible service to our customers. To do this our sales engineers, software support personnel, and field service personnel must work together as a team."

Good teamwork depends on good internal communications among personnel in the various departments. "To keep everyone well informed", Dave says, "we hold internal seminars on various aspects of our business such as

new products, product modifications, activities in various departments, etc. These seminars are given by someone in our organization from the department concerned."

In addition, a current file is maintained on the main bulletin board to remind all personnel in the office of the deadline dates for various projects.

The Ottawa office employs 19 persons: 4 sales engineers, 11 field service engineers, 2 software support personnel, and 2 secretaries. Their aim for the future is to develop new markets - in particular to develop an industrial market base in their district.

Recently, they installed a PDP-10 system at the National Research Council, which will be used as a vehicle for studies in computer-aided learning. The project is federally supported, and will involve several universities and research centers in Canada.



Dave Whiteside points to the installations in his district, each of which is represented by a pin.

Did You Know That . . .

-There are over 250 DEC typesetting systems installed.

-Over 180 newspapers throughout the world utilize DEC computers in typesetting.

-Digital entered the typesetting field in 1965, when it sold a system to the Worcester (Mass.) Telegram & Gazette.

-The largest Typeset-8 Systems installed are at McGraw-Hill Publishing Company, New York, N.Y. These systems provide McGraw-Hill with computerized composi-

tion plus storage, editing, and updating. Seven McGraw-Hill publications are composed using Typeset-8, the largest of which is *Business Week Magazine*.

Change of Address:

The Montreal Office has moved to:
9675 Cote de Liesse Road
Dorval, Quebec, Canada
Tel: 514-636-9393
TWX: 610-422-4124

On the Cover

Highlights of the TAG Fashion Show: (l. to r., top): Lee Callahan, Doris Kearney with Lee in the background, Pat Holloway; (l. to r., bottom): Marsha Cormier and Dorothy Lewis.

TAG Program Launched With *Haute Couture* Display

Digital has taken part in many events: trade shows, receptions, open houses, etc., but January 29 marked the company's entrance into the world of fashion.

To publicize its new "special talent" program called TAG (Temporary Assistance Girl), DEC sponsored a fashion show at Maynard High School for an audience of local women. Professional fashion commentator and leading New England fashion expert Jo Sommers described the outfits, which had been furnished by the Hudson Dress Shop of Hudson and Maynard and the Ruth Lee Dress Shop of Leominster, and were modelled by DEC employees.

DEC hopes to enroll a reserve of women such as mothers who can work either full-or part-time, and mature women who would like to continue their careers. These women will be called on during peak periods, when typing, clerical, reception, or keypunch help is needed.

Coordinated by Jo Reilly of Personnel, the highly successful show featured Lee Callahan as Mistress of Ceremonies and Betty Zantow at the piano. Doris Covey of Temporary Assistance and Polly Hanson of Personnel spoke on methods of successfully managing both a home and a career.

"SPRING INTO FASHION"

Maynard High School
Thurs., January 29, 1970 8:00 to 9:30 p.m.

Door Prizes - Refreshments

Admission by Ticket Only

DIGITAL

Editor's Corner

In producing *On Line* we keep trying to gauge what our audience would enjoy reading. Are the contents too technical? Are the articles not technical enough? Is there sufficient variety? Is the publication newsy or does it appear to be a rehash of old news? Recently, we distributed a questionnaire to about 300 employees asking them for their impressions. An overwhelming majority of the 140 respondents said they enjoyed the publication and found it newsy and informative. Many of the respondents supplied useful suggestions or criticisms concerning the contents.

Some of the results of the survey:

	Yes	No
Do you look forward to receiving <i>On Line</i>	107	14
Would you prefer to receive O.L. at work instead of at home	22	114
Do other members of your family read O.L.	98	34
Do you think O.L. is too heavily slanted in one direction?	26	114
Is O.L. too technical	177	
Is O.L. not technical enough	6	

We received some plaudits:

- "... format, writing, etc. are best I have seen in a company publication ..."
- "... I find *On Line* interesting ..."
- "... very well written and edited ..."
- "... *On Line* is informative and I enjoy reading it ... keep it ..."

And we received a few brick-bats:

- "... doesn't seem to have much personality ..."
- "... articles on individuals in a company this size pass me by ..."
- "... I don't know which is *On Line* and which is *DEC Newsletter*, I asked five people and none could tell me ..."

The point of this is not to confirm to ourselves that we are doing a job right. Our objective is to keep improving, no matter how well we might appear to be doing. One hundred forty answers out of 5,000 employees may not be a valid sampling. We'd like to get as many of your impressions as possible. Write us a note any time.

Dimitri Dimancesco

Sandy Rosenthal

Public Relations Department

Tech. Documentation

(Continued from page 3)

are directly supervised by Roy Clark (PDP-8 family, PDP-11, and PDP-12), Don Mehaffey (PDP-9/15, modules) and Gerry Gantar (PDP-10, PDP-14, and special systems) receive source documentation from engineering, marketing, and other areas, work directly with engineers or marketing specialists in translating the distilled information into comprehensive manuals.

Phil Kelley is at the helm of the Production group, which comprises three sub-groups. Ted Charron is in charge of Documentation Editing; Bob Walker heads a group of technical illustrators; and Gordon Carrol is supervisor of technical typing, production editing, and printing.

Bill Edmonds is in charge of the Photo Lab, which ably handles the photographic needs of other areas within DEC such as Advertising, Public Relations, Personnel, Drafting, and Manufacturing as well as the needs of Technical Documentation.



Gordon Carrol answers a question for Mary Ann Thompson in the Technical Typing Department. Other typists include (l. to r.)

Josephine Torppa, Eleanor McCarthy, Jane Nugent, Taimi White, and Aline McNeil.

Growing Pains!

Digital's world-wide employment increased by over 2,000 during the last year and now totals over 5,000.

In Maynard the total number of employees now stands at approximately 3,500, up 1,300 from a year ago.

Other approximate totals are:

Canada:	400
Leominster:	200
Puerto Rico:	280
Europe:	460
Australia:	30

John Tobin is Mass. State Snowmobile Champ

John Tobin, who has charge of DEC's cafeteria and the vending machines, is an old hand at a relatively new form of transportation and entertainment — snowmobiling.

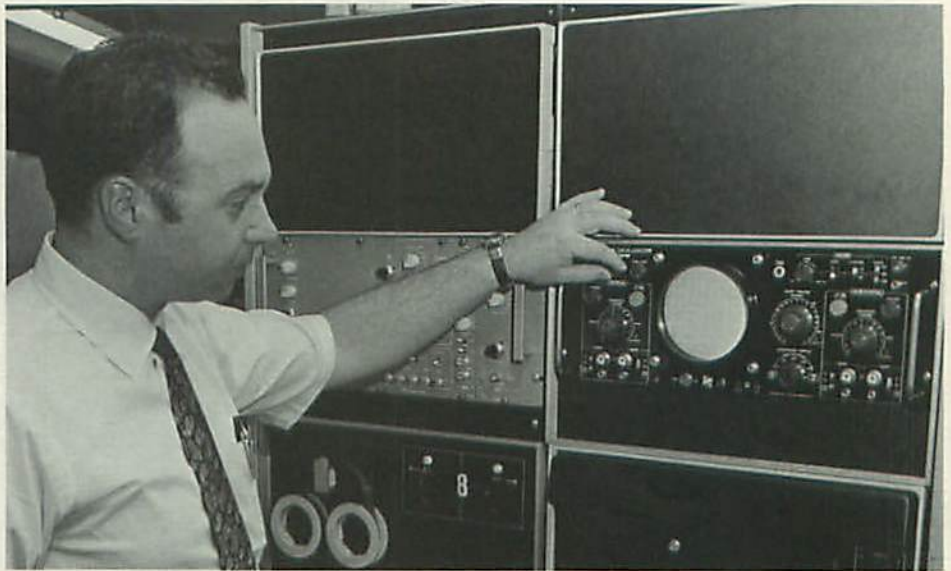
After getting "the bug" three years ago, John bought two relatively low-powered snowmobiles (16 and 18 hp) and started a racing team, which included several other Digital employees such as Peter Popieniuck, Group Leader in the Module Sales Stockroom, Peter Oskirko, wireman, Fred Gould, Module Product Line Mgr. and Bob Barilone, wireman. Nonracing owners of snowmobiles include Bob Lane, manager of traditional products and Frank Kalwell, traffic manager.

Most other team members practice every day on the Assabet River on Route 62 in Maynard. John's horsepower has increased along with the number of snowmobiles he owns. From two snowmobiles with low horsepower, John has progressed to four snowmobiles with 35-80 horsepower, capable of doing well over 90 miles per hour.

The team numbers twelve at present, and besides racing over snow-covered fields, they also go on long races, such as one to the Springfield Fair Grounds early in the year and another to Bangor, Maine, this month, which carried \$12,000 prize money.

John won the title of "Mass. State Snowmobile Champ" in the speed oval (65 hp) class, on February 1 in Greenfield and Bob Barilone was runner-up in the 292 class (27 hp).

"My only real difficulty," John smiled, "is getting the snowmobiles away from my five children!"



Mort Simon gingerly adjusts a dial on the PHA-8/I and watches the oscilloscope for results.

DEC At The Physics Show

Most of Digital's Physics Marketing Group was present to introduce Digital's Pulse Height Analyzer, the largest computer-based PHA line in history, to the public at the Physics Show in Chicago January 26-28.

Representing DEC were Dick Devlin, Department Manager; Mort Simon, Rudy Penczer, Clarence Tilger, and Ed Wargo of Physics Marketing; Alan Titcomb of PDP-10; and Bill McNamara of the Module Group.

Sales engineers from field offices who helped in the introduction and demonstration of the PHA system and the SCOLDS system, the industry's only commercially available spark chamber data system, included Alan Michels, Chicago District Manager; Dick Pascal, Chicago Branch Manager; Wes Brown, Indianapolis Branch Manager; Dave Cioni, St. Louis Branch Manager; and Jim Stone, Minneapolis Branch Manager.

The exhibit was centered around the PHA-8/I system, which demonstrated linear and square root data acquisition and display and data input and output on both paper and DECTape. The PHA-8/I system also located peaks and listed them automatically.

PHA is a technique used to identify and analyze the atomic structure of materials. The Pulse Height Analyzer stores and displays in graphic form energy pulses that come from an emitter of nuclear radiation. PHA is widely used in low and medium energy physics research to study nuclear structure and is being used more and more frequently as a tool in nuclear medicine, nuclear industries, and industrial research.

The new PHA product line will initially feature the following systems: PHA-8

(three systems available), PHA-12 (two systems), and PHA-15 (five systems).

The other part of DEC's exhibit, SCOLDS (Spark Chamber On-Line Data System), allows the physicist to define his testing parameters prior to the run and, during the experiment, it monitors progress, allowing the physicist to alter the parameters as required.

Jack Achilles Sees Daughter Dance With Boston Ballet

Jack Achilles, Supervisor of Production Control for Logic Frames and Wire Wrap in Maynard, had good reason to be on a cloud last December 28. His 10½ year-old daughter Susan was among the 50 Worcester area children chosen from more than 800 who tried out to perform *The Nutcracker Suite* with the Boston Ballet Company.

Susan had the honor of performing in a scene with Edward Villella, Principal Dancer of the New York City Ballet, who was guest artist for the performance on Sunday afternoon, December 28 at the Worcester Memorial Auditorium.

Although the many weeks of rehearsal were tiring on the children, Jack believes that it was the children's parents who bore the worst of it: driving the children back and forth to three rehearsals each week from mid-November until the week before the performance, when they rehearsed every day.

Jack has fixed a practice area for Susan in their home in Marlborough. She has been a student of ballet for the last five years, both privately and in class and will play Alice in "Alice in Wonderland" for her school next spring.



Alexanderson



Chamberlain



Esten



Montrym

Promotions And Appointments

John Alexanderson, formerly a sales engineer in the Waltham Office, was recently promoted to District Manager of the Rochester, New York, area. Born and schooled in Garden City, Long Island, New York, John received his BME from Rensselaer Polytechnic Institute and then spent five years in the Navy's Submarine Service. At the Navy Guided Missile Training Center in Virginia, John first became acquainted with DEC modules. Later, he was put in charge of the Navigation Center on a Polaris Submarine. The center utilized two Digital computers. Upon discharge, John took a sales position with the Barden Corporation of Danbury, Conn. He joined Digital in May of 1969 as a sales engineer.

George Chamberlain has been appointed to the newly created position of Manager of the Treasury Department, reporting to Vice President Brewster Kopp. He had been Vice President and treasurer of the Anderson Corporation, Worcester, a manufacturer of industrial brushes. He is a incorporator of the Worcester Five Cents Savings Bank and President of the Harvard Business School Alumni Club of Worcester.

Richard Esten has been named Leominster plant manager. For the past ten years he was associated with The Foxboro Company, most recently as Manager of Assembly and Traffic Operations. He is a liberal arts graduate of Middlebury College and a MBA graduate of Cornell University.

Donald Montrym has joined Digital as plant manager for Canada. He succeeds Bert Couillard who has left the Company. Don had been working as Purchasing and Materials Manager with the American Optical Company in Richmond, California. A business administration graduate of the University of San Francisco, he has also had experience in marketing and has worked in the Orient as a representative of Gilfillan Bros. of Los Angeles, manufacturers of radar landing systems for aircraft.

Richard Pascal was promoted to branch manager of the Chicago Office late last year. Dick, who joined Digital in 1968, is largely responsible for expanding the Company's base in the traditional physics market. Prior to joining DEC, Dick was employed for 3½ years as a field sales engineer with Leeds and Northrup in Chicago, responsible for marketing complex electrical, electronic, and mechanical instruments as well as automatic control systems for the safe and efficient operation of industrial processes, standardizing laboratories, government laboratories, and research and educational institutions. He received a BSEE from Drexel Institute of Technology.

Martha Ries, recently joined the Geneva office staff as European DECUS Secretary. Born and educated in Olten (approximately 30 miles west of Zurich), Martha attended the Cantonal Commercial School for three years, graduating with a Business Diploma. But it was in Geneva that she gained her practical commercial experience, spending five years in the chemical field with major international companies. Following a month's training with the DECUS Office in Maynard, Martha returned to the Swiss capital in December to take up her new duties.

Pal Szigethy has joined the staff of Digital's European Regional Headquarters in Geneva and will be responsible for public relations activities in Europe. He has had considerable experience in several communications areas. Prior to joining Digital, he was Production and Public Relations Manager for Listar International, a U.S. motion picture production firm located in Geneva. He studied arts and communication at I.N.S.A.S. Institute in Brussels.

Mel Woolsey was recently appointed Software Manager for the Mid-Atlantic Region, replacing Ken Stone. Mel became familiar with Digital products seven years ago when he used a PDP-5 to check out the telemetry equipment on Gemini while working for NASA. He later used a PDP-7 at the University of Tennessee Medical Center while conducting cardiovascular research. Mel joined Digital in 1968 as a sales engineer in Huntsville. In 1969, he went to the Knoxville Office as a software support specialist. Mel received his B.S.E.E. from the Christian Brothers College and his M.S. in mathematics from Memphis State University.

Pascal



Szigethy



Woolsey

