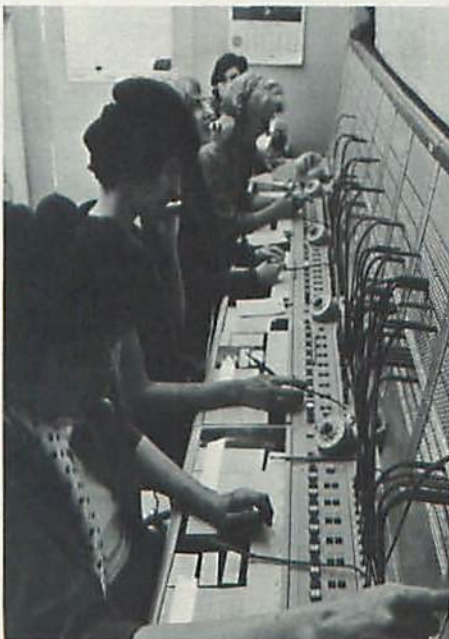


## The Old...



DEC's first real switchboard, shown as it was in the summer of 1965, with Nancy Eagan and an AID girl.

## ...and the New!!



The new switchboard was installed at last and, in short order, the operators became thoroughly acquainted with it: (front to rear) Ferne Halley, Bette Williams, Mary Hogan, Rita Eisner, and Maria Gardner.

(see page 3)

## DEC Restructures Financial Organization "Results of Several Months of Planning" — Kopp

A reorganization of DEC's finance and accounting organization, which includes new departments and new positions, has been announced by Brewster Kopp, Vice President for Finance and Administration.

"This is not a sudden development," Brewster stated, "but the result of several months of planning and gradual additions to the staff. The financial organization has been restructured to meet the need of a major \$100-million-plus international corporation."

"People used to know us as 'the Accounting Department', where a few people handled a great diversity of tasks. We've divided the functions and we've added a number of people with specialized skills to give us expertise in specific areas."

The new organization consists of six major areas — Treasury, Legal, Management Review and Audit, Planning and Budget, Operations Control, and Systems and EDP, as follows:

**Department: TREASURY**  
**Manager: George Chamberlain**

Handles Accounts Payable, Payroll, Financing, Corporate Insurance, Pension Fund, Stock Options, Credit and Accounts Receivable, Banking and Cash Management.

**Department: LEGAL**  
**Manager: Ed Schwartz**

Ed is Digital's Corporate Counsel and Secretary and handles corporate legal matters. He also handles such matters as real estate, contracts, patents, trademarks, copyrights, and litigation.

**Department: MANAGEMENT REVIEW AND AUDIT**  
**Manager: Tom Breen**

Responsible for traditional financial audits, and liaison with our public accounting firm. Will also be responsible for management audits designed to produce a wide range of suggestions for improved profit and increased management effectiveness.

**Department: PLANNING AND BUDGET**  
**Manager: Ed Savage**

Responsible for planning and information functions, including long range planning, budgets, management reporting and analysis, and preparation of financial statements.

**Department: OPERATIONS CONTROL**  
**Manager: John Fisher**

Responsible for financial aspects of manufacturing operations, including cost control systems, operations analysis, materials control, cost accounting, and capital expenditures. Also responsible for taxes and corporate accounting policies.

**Department: SYSTEMS AND EDP**  
**Manager: Dave Packer**

Handles data processing, manual and automated systems, management information systems and management systems.

In addition to the above staff, Brewster has two assistants: **Bob Dill**, who handles major financial projects, and **Gene Cronin**, who is concerned with the overall administration of the financial function.

Financial Public Relations, which is managed by **Mark Nigberg**, is also part of the finance organization. This function involves providing information for security analysts, brokers, and other members of the investment community, and investor and stockholder relations.

## Editorial

We are setting up a network of correspondents for ON LINE. In this way, we can cover newsworthy happenings at DEC more fully. We have recently printed an "On Line Correspondent's Guide", which explains just exactly what is considered newsworthy, plus pads of "On Line News Tip" paper.

Our aim is to have each area of DEC, including branch offices and new plants, covered by a correspondent. If you would like to take part in our efforts to "spread the news", please contact Sandra Rosenthal in Public Relations, Maynard, at Ext. 3056, or drop us a note.

Correspondents as of this writing include:

Ellen Pellegrini, PDP-11

Stasia Bell, PDP-14

Norma Barnes, PDP-15

Andy Plourde, Peripheral Engineering

Pat Keller, Pittsburgh

Kathy Gallo, Washington, D.C.

If anyone in the above-mentioned areas has any news, please contact the proper correspondent.

SR



These days it would seem that "youth" is no longer "incredulous", taking as it does coloured television, jumbo jets, men on the moon, and computers in the home as part of everyday living and not slices of awe inspiring science fiction.

Therefore, when the opportunity occurs to experiment with a product of this technological age, no self-respecting 9-year-old (or 6-year-old for that matter) will stand back and let the chance slip by.

"It really is amazing how quickly children pick up the ghost of operating FOCAL on an 8/L," said Peter Hoskins, a sales engineer based at Digital's London Office. During a recent weekend, Peter had the opportunity to take home one of DEC's small computers prior to delivery to a customer and found himself delighted at the aptitude shown by his son, Robert, and daughter, Jane.



Pat Hall, secretary to Verne Hillman, and Freddy, who now considers DEC-Westfield his home.

## Freddy the Freeloader Finds a Home

Who says that people don't want to get involved nowadays?

Some of the construction workers at Digital's plant in Westfield got very involved... with a bedraggled, half-dead wire-haired terrier. Named "Freddy the Freeloader" when he wandered onto the DEC construction site last June, the lovable mutt was soon adopted by the construction workers.

He was scrubbed, disinfected, collared, licensed, and fed a pound of liver a day. It seemed to be a dog's life until one Sunday early this year, when one of the workers brought Freddy his liver but found no trace of the dog. After a search, he was found in a pile of construction material with a broken paw and an injured back. It might have ended there... but it didn't. The construction men pitched in and paid Freddy's \$54 veterinarian bill.

Back on the site within a few days, Freddy has since been adopted formally by the crew as a mascot. But don't try to tell them how softhearted they are...!!

# ON LINE

Published monthly for the employees of Digital Equipment Corporation, Maynard, Massachusetts.

Editor ....Sandra Rosenthal, Ext. 3056.

To record a change of address or failure to receive ON LINE, call Ruth Gyles in Personnel, Ext. 2794.

For bulk shipments to new plants and subsidiaries, and for extra copies, call Sue Tata at Ext. 2827.

# Digital Doubles Switchboard Capacity

From two girls in the Main Street lobby, who doubled as receptionists just a few years ago, DEC has burgeoned to a four-positioned switchboard capable of handling 2,400 in-house extensions and more than a hundred trunk lines, including both incoming and outgoing.

The new switchboard, which took more than four months to install, was made precisely to DEC specifications. In addition to PBX man "in residence" Roger Gersbach, five additional men were needed to complete the installation of the highly complex piece of equipment. Although Roger is technically a Telephone Company employee, his badge number (54) will serve as a clue to his length of service at DEC.

According to Nick LoRusso, Manager of Office Services, one telephone operator was recently added to the current four and the capacity of the switchboard will soon be increased from 1,200 to 1,600. In July, an additional operator and 400 more extensions will be put into service.

Communications Administrator Murray Copp claims that the biggest problem is "satisfying DEC's demand for equipment and services perpetuated by steady

growth." He forecasts that, as soon as the Telephone Company has finished installing its equipment, you will be able to dial Westfield simply by using a 4-digit number and Westminster with a 5-digit number.

The trunk lines will shortly be increased on both the local (or 9) level and the Arlington (7) level. That means that Maynard will be able to receive and make more calls at the same time. All this hinges, Nick stresses, on how quickly the Telephone Company increases its main office equipment. Until the installation is complete, Nick asks that everyone keep his phone calls as brief as possible. Hopefully, the busy condition prompted by lack of Telephone Company facilities will be corrected by May.

Current full-time operators include Ferne Halley, Mary Hogan, Maria Gardner, and Rita Eisner, and part-time operators Harriet St. George and Bette Williams. Nancy Eagan is group leader and relief operators include Ginnie Gunzelman and Paula Huebner.

Because of the necessity of maintaining both regular service and full-time paging and information service, the girls rotate the two duties, thus receiving a change of pace.



## Teenage Technologists Visit Digital

by Valerie Baillie  
U.K. Public Relations

The computer age has hit grammar and secondary schools with a bang, and amazed parents are finding that their school-age children are much more aware of the technical revolution than they themselves.

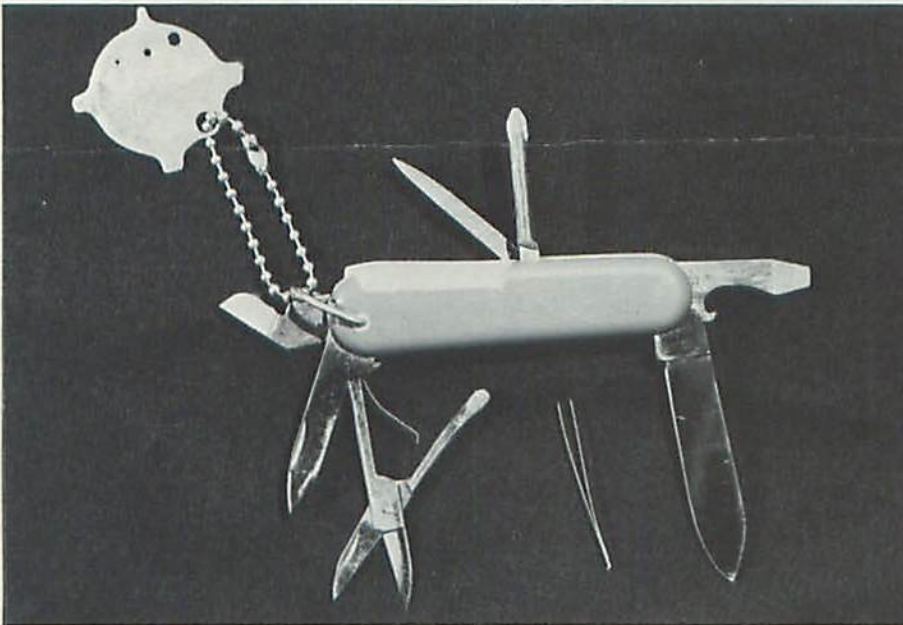
The keenness shown in "all subjects computer" was illustrated by the boys of Forrest Grammar School, Winnersh, who recently gave up a day of their Christmas holiday to tour the Reading factory of Digital Equipment Co., Limited. The boys were all members of the school's Computer Society, which was formed in October with Mr. A.T. Pomeroy, a member of the mathematics staff, as President.

"The Society is open to boys throughout the school," said Mr. Pomeroy, "and our meetings, which are held after school hours, are attended by members from the first year through the sixth forms.

"We are particularly interested in the small computers, as we hope Forrest Grammar will become the Schools' Computer Centre for the district," he added, concluding: "We have applied to the Berkshire Education Committee for the purchase of a Digital PDP-8/L to replace our old system, which fills all our one and a half classrooms, yet does not have the capability of the single cabinet 8/L."

The visit was supervised by Christopher Morris, who is responsible for U.K. training activities. Chris found the boys, "Quite remarkably knowledgeable. I found they were able to write and run programs in FOCAL during the course of their visit. They really have the enthusiasm and interest that will make them good candidates for entry into the computer field."

## Geneva Field Service Man Installs Italy's First PDP-12 With Pocket Knife



Dave Guerrero was all set to install Italy's first PDP-12 when he discovered, with horror, that he had left his tool bag back at the Milan office.

What to do!! Fishing in his pocket, Dave found a Swiss Army pocket knife. Well — it was worth a try!

Not only was the installation accomplished, but it was done in the remarkable time of three hours, system running.



Part of the sales force: Jeff Grote, Bob Lammert, Al Michaels, Jack Connors and Dick Pascal.

Part of the field service staff; (l. to r.) Gerry Misener (seated), John Davies, Roy Van Liew, Chuck Scheibe, Gary Jennings, and Jim Stinson.



## DEC-Chicago:

# Dynamic Center of a Growing Market



Central Region Manager Gerry Moore.

Digital's Central Regional Headquarters, situated a few miles north of Chicago in Northbrook, Illinois, is the center for sales and service activities for a 19-state area.

Conveniently located on Eden's Expressway, the building, formerly a Volkswagen dealership, has more than 10,000 square feet of space, of which DEC is currently using 8,000 for its staff of more than 40 people.

### Houses Both Regional and District Offices

The newly rented building, which houses both the regional and district offices, is the third occupied by DEC in the Chicago area since the Company opened there in 1963. Regional Manager Gerry Moore expects that the new facilities will soon be fully occupied by a staff of approximately 60.

The region serviced out of the Northbrook office extends from the heavily industrialized Great Lakes area down through the Midwest to the Gulf states of Texas and Louisiana. DEC product applications range from those in the petrochemical industries to heavy steel and machine tools to automobile manufacturing.

Two employees who have been with the Company since the days of the original office are Gill Slaw and Emily Smith. Gill started as the Chicago area's first Field Service Engineer and is now the Regional Field Service Engineer.

### PDP-10's Are Popular

PDP-10's have found homes in large time-sharing utilities such as On Line Systems of Pittsburgh and Cyphernetics of Ann Arbor, Michigan. Badger Meter Manufacturing Company of Milwaukee, Wisconsin, is using a PDP-10 for quality control and in-house time sharing. Chase Brass & Copper Company of Montpelier, Ohio, utilizes a PDP-10 for monitoring manufacturing activities and for management information.

The PDP-8 family of computers is used in a great variety of ways in the Central Region, including in such august places as the Midwest Stock Exchange, The Institute of Life Sciences at Texas A & M University (where a PDP-8/S is being used to study the guidance systems of fish), and Applied Dynamics in Ann Arbor (where several PDP-8/L's are helping to determine the effects of automotive exhaust gases).

### PDP-12's in Medical Applications

A company in Park Ridge, Illinois, has developed a PDP-12-based system to aid in patient examinations in hospitals, clinics, and doctors' offices. Miles Laboratories in Elkhart, Indiana, and the University of Chicago's Billings Hospital also have PDP-12 installations.

Experimenters in high energy physics have sought our PDP-15 systems, and we include the National Accelerator Laboratories and the Argonne National Laboratories as customers.

Markets for DEC modules and PDP-14's in the Region include the Nation's four auto manufacturers, 70% of the country's tool manufacturers, and large segments of the steel industry.

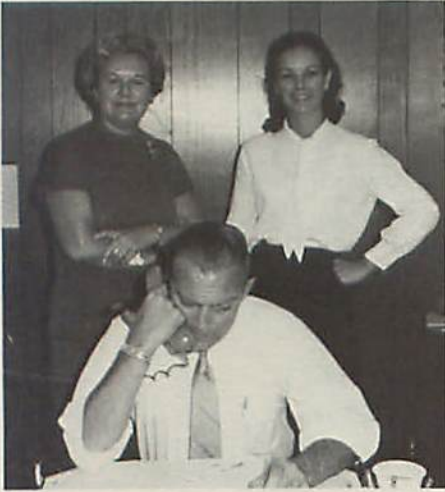
### Open House Drew Crowds

On February 5, an open house and PDP-11 press conference were held at the Chicago office. Customers were invited to witness approximately ten demonstrations, ranging from a TSS-8 system to the new PDP-11. Work areas were decorated with crepe paper and converted into demonstration areas; the ladies wore corsages and looked especially glamorous; and the ranks of the local staff were swelled by an influx from Maynard.



The secretarial staff: (l. to r.) Joan Bisesi, Donna Long, Ann Hansen, Emily Smith, Rhonda Mohr, Sue Edgerton, and Helen Gumienny.

## The Backbone of the Western Region



Out here in the Wild West, we women stand behind our men! Lucky Jim McPherson of DEC's Western Regional Office in Palo Alto, California, has champions Eleanor Williams and Ida Winkle to keep him corraled!



Here, starting San Francisco District Office's sales manager Ernie Frost's day off on the right trail, are the cowhands who ride out of that office: (l. to r.) Mary Peterson, Sine Keto, and Helga Herla. Helga is Ernie's top cowhand; Mary and Sine daily herd seven rough 'n ready cowboys through their chores.

## Puerto Rican Visitors Have Trouble Adjusting to N.E. Climate

Despite the "February thaw," when Digital-Puerto Rico employees Venus Janett Davila and Milagros Hernandez stepped off the plane at Logan Airport on February 8, the weather was much colder than they are accustomed to.

In Maynard for training as group leaders in Module Repair, Venus and Milagros were accompanied by Phil Wood, Manager of DEC-Puerto Rico. Compared to San German, where the DEC plant is located — a predominantly agricultural and cattle raising area, Maynard is a small town. The consensus, however, is "We like it!" During the February 14-15 weekend, the ladies were shown the Leominster plant and a little of the local scenery. The snow proved a thrill to them, if not to winter-weary New Englanders. They returned home on February 17.

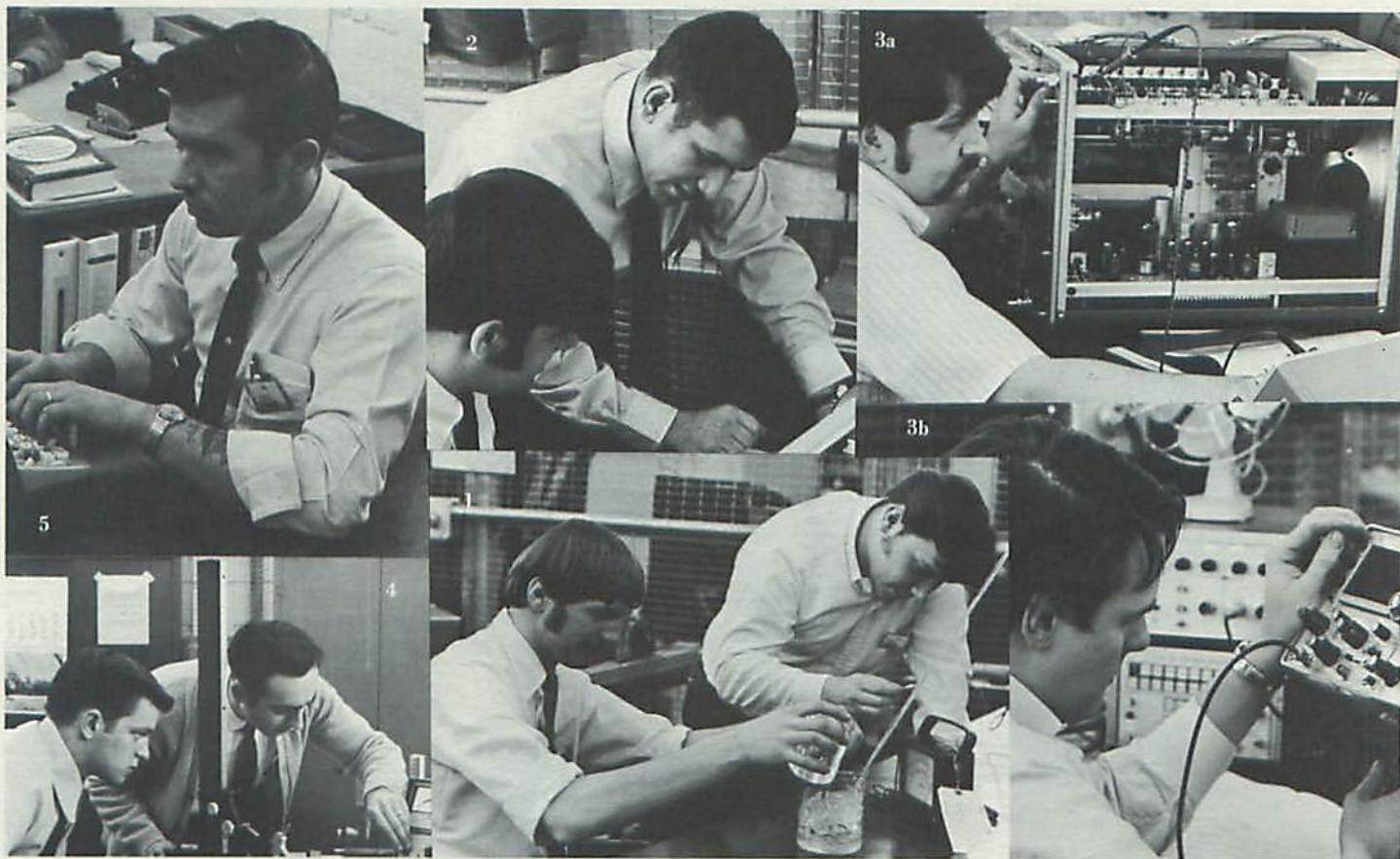
A long-time (relatively) visitor to Maynard is Asdrubal Ruiz, who has been in residence since last October. His mission is to oversee the construction of a CMT (Complex Module Tester), which is scheduled for shipment to Puerto Rico this month. When it is installed, Asdrubal will be in charge of its operation, thus speeding up module testing considerably.



Venus Davila (l.) and Milagros Hernandez receive expert advice in the Final Inspe-

tion function from Jennie Latini.

## Test Equipment Service: Watchdogs



(1) Terry Skrypek and Pete Biscardi calibrate a thermal meter, using ice water and boiling water. (2) John Trubiano and Steve Henrikson diagnose a problem in an oscilloscope with the aid of a schematic. (3a) Dick Bernaby and (3b) Leo Collins calibrate oscilloscopes, one of the Group's major tasks. (4) Mechanical technicians Ken Vezina and Ray Adams check the surface of a parallel bar. (5) Norm Boisvert prepares an inventory list.

The ten men who comprise the Test Equipment Service section of Quality Control are "watchdogs" for Digital's test equipment. Charged with the mechanical and electrical maintenance of equipment used for testing, they are professional worriers.

Under the direction of John Trubiano, Test Equipment Service maintains 3,000 pieces of equipment, a large percentage of which is comprised of oscilloscopes. The Group follows a definite schedule of oscilloscope calibration, recalibrating some after 500 hours of use and others after 1,000 hours, making for a minimum of emergency repair calls.

Among the oscilloscopes serviced are those on the Automatic Module Testers. Since most of DEC's modules are tested automatically, the maintenance of those oscilloscopes is vital.

Established three months ago through the joint efforts of John and Ray Adams, the

mechanical calibration activity now maintains 600 pieces of precision mechanical measuring equipment. The equipment is calibrated also by time intervals according to accuracy and degree of usage.

Another function Test Equipment Service renders is that of an advisory service to engineers and technicians when they are considering ordering equipment for a specific purpose. From their library of catalogs, the Group can find equipment that meets the engineer's specifications as well as price, and determine who sells it. From years of experience, members of the Group can evaluate one possible choice against another and come up with the optimum equipment for the specific purpose.

All new equipment goes through a performance assurance test. If faulty, it is returned for repair under warranty; if satisfactory, it is logged in and kept track of for periodic calibration.

When John came to DEC, eight years ago, as a module test technician, there were just two people in the Test Equipment Service Group. Now the Group's members include John; Norm Boisvert, inventory control clerk; Ray Adams and Ken Vezina, mechanical calibration technicians; and Terry Skrypek, Steve Henrikson, Pete Biscardi, Dick Bernaby, Tom Brooks, and Leo Collins, electronic calibration technicians.

To add to their duties, Test Equipment Service recently added environmental and chemical analysis to the above, as well as mechanical and electronic calibration for equipment destined for DEC's outlying plants.

Test Equipment Service is under the supervision of Al Erny, who reports to Jim Cudmore, Manager of Quality Control.

# Puerto Rico Module Manufacturing Occupies New Building



The DEC Moving Company: (l. to r., top row) Wilfredo Alvarez, Pedro Dones, Julio Medina, Luis Velez, Jose Maiame, and Jose Jimenez; (Bottom row) Jaime Ferra, Jose Arroyo, Ruben Toro, Wilfredo Velez, and Elvyn Occasio. Missing: Pablo Rosado and Ramon Acosta.

On Monday morning, January 12, 151 of the 284 Digital employees in Puerto Rico began their work week in DEC's new 58,000 square foot building in San German. The unusual part of this is that when the employees sat down to work, they discovered the same machine, the same module lot on which they were working the previous Friday and even the same pencil with which they wrote on Friday afternoon waiting on the bench!

By Monday, January 19, an additional 104 employees were working in the new plant and, within a week, all of DEC's work force in San German was in the new facility.

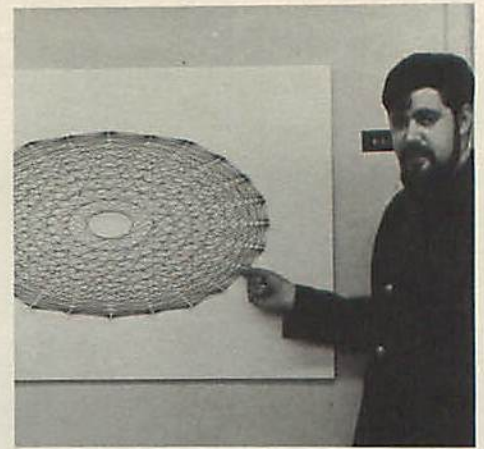
The 2½ mile move was made by 11 male DEC employees who, during the normal workday, serve as mechanics, machine operators, schedulers, group leaders, supervisors, and managers. Each worked his normal job during the day and, during weekends and evenings, moved the approximately 35 to 40 tons of material in a locally rented sugar cane truck. During long hours of hard work and difficult conditions, the men maintained a spirit of enthusiasm, cooperation, and strength. Less than ten minutes of production time was lost during the entire move and not one piece of equipment was damaged.



Jaime Ferra prepares to move some office furniture off the truck.



Wilfredo Velez and Ruben Toro prepare to move a table.



## Wayne Stephenson Displays "String Structure"

"String Structure" once graced a window of New York's famous Tiffany's. A replica of the work was on display outside Vice President Win Hindle's office on 5-5 in Maynard early in February.

Wayne Stephenson, a design draftsman in PDP-10 Engineering with enormous quantities of patience and hard work, made the 3-D graphic printout on a simple piece of suede-finish Formica bonded to a piece of plywood.

He formed the design by wrapping a piece of nonshrinking twine around spaced finishing nails. The result, as you can see, was well worth all the time and effort.

Wayne's creativity did not arise spontaneously; one of his many hobbies is that of making reproductions of antique furniture.

## News From Down Under

By Keith Graham  
DEC - AUSTRALIA

Shouts of "The Ancient Mariner returns", etc. greeted the return of Field Service engineer Stuart Morrison on his return from Jakarta, Indonesia recently to his home office in Sydney, Australia.

Stuart was back from his periodic vacation to the land of PDP-8/S's, survey ships, and Oriental magic. As well as the occasional hour or two with the 8/S's, Stuart spent his time fishing and relaxing.

It has been rumoured that the Department of Field Service is considering the appointment of this roving ambassador to an overseas post. Perhaps this is related to current speculation in the press on self government for New Guinea.