

# ONLINE

OCTOBER  
1968

DIGITAL EQUIPMENT CORPORATION

## Digital Steals U.K. Show

Digital's participation in the recent International Federation for Information Processing Exhibition in Edinburgh, Scotland, proved to be the most successful European show in which our Company has ever participated.

Digital's stand, which displayed the PDP-10, programmed for time-sharing displays, musical interludes, and a chess game, plus a PDP-8/1 with a Tektronix 116 storage display unit, was far and away the most popular at the show—a fact that was remarked upon by even our competitors at the show.

The stand was crowded from morning till night for all six days of the show, and was jammed during a three-hour chess game between the PDP-10 and a I.C.L. 1909. The crowd, at times 100 strong, spilled into the aisle and spectators stretched their necks from adjacent stands to watch the chess match.



George Lord (above) was caught in this candid by Bill Edmonds  
Where were they? See pp. 4-5

## Time-Share-8 Introduced

Digital will bring time-sharing computers within the reach of modest budgets with the introduction of Time-Share-8 computer, a mini-time-sharing system based on the PDP-8/1.

Time-Share-8 is actually a family of general purpose time-sharing systems built around the PDP-8/1 with from eight to 32 terminals and a variety of programs.

## Sci-Fi Writer Visits Digital



Noted science fiction writer, Dr. Isaac Asimov, was fascinated by Digital's products during a tour of Maynard production areas.

The seeds of a new science fiction thriller may have been planted when a well-known scientist and science fiction writer battled his son in a space-war game on a PDP-9 computer at Digital's Maynard offices recently.

After the interplanetary combat with his son David, Dr. Isaac Asimov remarked that future soldiers' success might depend on their manual dexterity in operating switches. A gleam shone in his eye as he indicated that an inspiration had struck him.

This game occurred during a tour of Digital's facilities by the scientist and his son.

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The basic price, slightly less than \$45,000, is less than half that of the lowest-priced time-sharing system offered by any other computer manufacturer.

Time-Share-8 systems offer users "hands on" interaction with the computer and the ability to utilize many computer languages, including FORTRAN, FOCAL, and BASIC.

PDP-8 Educational Marketing Manager, Norm Doelling, who will be responsible for marketing Time-Share-8, describes it as conceptually similar to the PDP-10, although much less powerful. He points out that users are now paying approximately \$10 to \$20 an hour for time-sharing terminals. "The Time-Share-8 can reduce the cost to below \$1 an hour," he states, "and still perform many tasks of the large system."

Today only the nation's largest universities have their own time-sharing systems. More than 400 educational institutions purchase varying amounts of time from commercial time-sharing utilities. With the introduction of the Time-Share-8, schools of almost any size can acquire their own time-sharing capability or supplement their existing computer facilities.

## Retiree Club Grows to 4

Digital's role of former employees living on its retirement plan has soared to an all-time high of four. DEC anticipates this grand total's doubling within one year and zooming thereafter. The company's retirement record proves especially impressive when one considers that DEC has existed for less than 12 years.

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## Promotions & Appointments



Gerry Moore

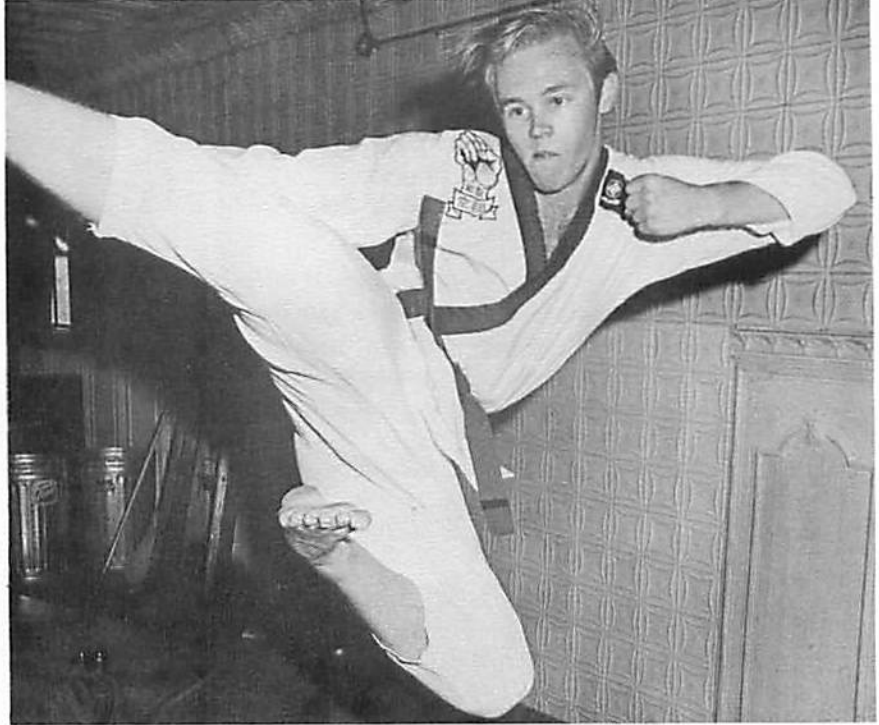
Gerry Moore has been appointed Central Regional Manager. Gerry joined DEC in 1962, working in marketing and sales support assignments in bio-medical, PDP-6, and European support areas. Since 1966, he has managed the Germany and Benelux District.



Nick LoRusso

Nicholas LoRusso has recently joined Digital as Office Services Manager. He was previously Office Services Manager with the Pratt & Whitney Machine Tool Division of Colt Industries, West Hartford, Connecticut. He is a native of Waterbury, Connecticut.

## Maynard Employees Master Weaponless Self-Defense



A member of DEC's Karate Club demonstrates part of what he has learned.

Twice a week a group of individuals meets in an almost bare room above a shoe repair shop on Nason Street in Maynard. They wear white loose-fitting "GI's," refer to their room as a "Dojo," and use such words as "Kata," and "Sensei."

They are all Digital employees and they are members of the recently formed Assabet Karate Club.

With the exception of one or two, such as Bob Gage, LINC-8 Checkout, who wears the brown belt of an experienced Karate practitioner, they are newcomers to the sport.



DEC girl learns the art of being a femme-fatale, in more ways than one.

The group isn't officially supported by Digital as the softball, golf, and bowling leagues are, but organizer Larry DeAngelo, Training, hopes that the Club will become successful enough to eventually obtain support from the Company.

Karate, (the Assabet Club engages in the Okinawan version), is the Oriental method of self defense, an intricate art and an exciting sport.

"Since most of us are beginners," says Larry, "we are organized to take beginners who are not tremendous athletes and who are not necessarily in tremendous physical condition."

He claims the sport offers several satisfactions -- "Fitness is one thing," he claims, "and there is also self defense, but I think people enjoy the atmosphere of Karate. It's interesting to learn about the Oriental philosophies."

Karate involves very little physical contact. Except for blocking, no contact is made. The sport uses all the body muscles, develops coordination, improves reflex action, and emphasizes correct posture.

## SEPTEMBER ANNIVERSARIES

### 11 years

Ken Olsen  
Stan Olsen

### 9 years

Loren Prentice  
Madeline Tracey

### 8 years

Marion Murphy  
Barrett Prichard  
Vera Silva  
Brad Towle

### 7 years

Annie Bickford  
Denice Caron  
Florence Elwin  
Veijo Epailys  
Richard Flaherty  
Mildred Gibson  
Lorraine Hendley  
Michele Moore  
May Raynor  
Mildred Rigney

### 6 years

Patrick Greene  
Frank Grudinski  
Win Hindle  
Lawrence Kearney  
Stefan Mikulski  
Edmond Pruett

### 5 years

Raymond Baum  
Janet Buscemi  
Robert Daigneault  
Nancy Eagan  
Fred Haefner  
John Jorgensen  
Thomas Karpowski  
John Leng  
Elsie Oliver  
Sarah Peterson  
Don Vonada

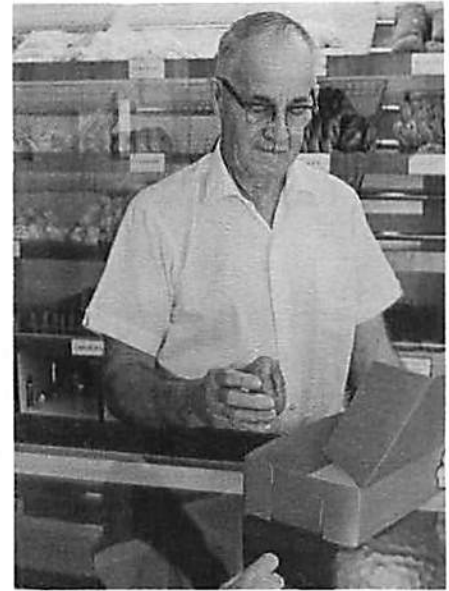
### 4 years

Dorothy Allen  
Norma Darling  
William Preer  
William Fries  
Everett Hatch  
Robert Kudera  
James McPherson  
Edward Maxwell  
Jonel Sutton  
Donald Witcraft

### 3 years

William Annesi  
Marion Bartlett  
Jeanette Bourgeois  
Barbara Fiske  
Angela Fraticelli  
Nancy Ganoe  
Dorothy Duson  
Janet Kendall  
Ada Little  
Ellen Lowell  
Margaret Mikrut  
Marguerite Paul  
Teresa Vanaria  
Ann Windheim  
Therese Wishart

## Retiree



Arthur Hathaway, who retired from Digital earlier this year, has started a new career as owner of Hathaway's Donut Shop, Maynard.

Matilda Ianerelli, who worked in Module Assembly, has been spending her time home in Maynard and at her summer camp in New Hampshire. She too says she has been enjoying her "retirement."

Olga Stokes, Digital's first retiree with about one year of leisure behind her, reports enjoying this status very much. "I haven't begun to do much yet because my husband works," says Olga.

Ray Lovely also reports that he is enjoying retirement "because I have no worries." He said that he has been spending a lot of time at his cottage in New Hampshire and has been doing a lot of fishing.

Regular season trophies have just been awarded and tournament champions determined, but Digital's golfers are already anticipating next season. DEC's linksmen have elected Galen Davis, Jim Davis, Bill Hanson, Dick Nelson, Ron Wilson, and Dave Nevala to the next year's Golf Committee.

Pairs of golfers competed in three "flights," or leagues, this year, with the top five duos in each flight winning Paul Revere silver bowls. Recipients were:

### Flight A

Joe Catalano  
Joe Kosiewski

Jim Scanlon  
Diet Ringleb

Perry Harris  
Jim Davis

Dave Nevala  
Stan Znamierowski

Dick Nelson  
Don Zereski

### Flight B

Jonel Sutton  
Dick Huebner

Mike Logue  
Klaus Pichler

Doug Carpenter  
Dan Bock

Dick Clemente  
Lee Goodbar

Ron Eisenhower  
Don Young

### Flight C

Fran Souva  
Stu Osborne

Richard Powers  
Vincent Indorato

Cliff Pitz  
Don Leighton

Dick Mosher  
Ron Roetzer

Joe Burke  
Phil Backholm



Photos by George Lord, Bill Edmonds, Bob Brannen

# Employees Visit Pleasure Island



September 21, 1968 found more than 4,000 DEC employees and family members going to Pleasure Island. Rides, entertainment, and plenty of green countryside were available. If these pictures reflect the mood of the day, a good time was had.



# DEC's Unsung Heros Give Wide Variety of Services

Who thinks of Plant Engineering, except to complain about the heat or cold, an unemptied waste basket, or a broken faucet?

Yet if Digital were to award an "Unsung Heroes" award to a group of employees, Plant Engineering would definitely be a top contender and probably a hands down winner.

One begins to appreciate the size and complexity of Plant Engineering's task when one considers that it is responsible for preparing for occupancy and then maintaining over 900,000 square feet in twelve buildings, most of them built before the turn of the century. Add to this, responsibility for a variety of other areas and services, including the parking lots, snow removal, safety, and security.

What seems like a small project is frequently a massive undertaking. While refurbishing parts of Building Five, for example, so much white paint was required that Plant Engineering completely depleted Boston's largest paint supplier's stock of white paint.

One recent important project -- of which Plant Engineering Manager Al Hanson is justifiably proud -- was the enlarging and improving of Digital's parking area.

This required partial filling of Mill Pond, extensive leveling and surfacing, installation of lighting, and so

forth. There is now sufficient space for some 1800 cars.

"You can't imagine the work that this involved," says Al. "We had to work closely with various federal, state, and local agencies for months before we could even start."

As growing departments have needed more space, Al's group has provided it. But growth was so fast that Plant Engineering was usually fighting a backlog and seldom had time for facilities planning.

"Finally, we have reached a point where we can do better planning," says Al.

He is now embarking on a nine-month plan, involving the relocation of 25 work groups, and the final result should be a more practical arrangement of work areas. The plans include the following changes:

- The relocation of the Traffic, Shipping, and Crating Departments and the finished goods stockroom on the first floor of Building 1.
- The use of Building 12 almost exclusively for the Programming Department.
- The consolidation of all stockrooms on the third floor of Building 6, a central and easily accessible area.

-- The creation of a central communications center (telephone, switchboard, teletypes) in Building 4, third floor.

-- The grouping of all peripheral and sub-assembly production on the third floor of Building 1.

-- The moving of PDP-8 and PDP-9 production to the fourth and fifth floors of Building 1.

-- The moving of the Metal Shops from Building 7 and 6D to the first floor of Building 5.

-- Grouping such service departments as Plant Engineering and Office Services centrally in Building 4, third floor.

-- The creation of a new 50,000 square foot Training Center on three floors of Building 21.

Plant Engineering has a wide range of skills: architectural draftsmen, electricians, millwrights, painters, carpenters, maintenance men, and custodians. It also relies heavily on outside contractors.

Al sees their mission as one of service. "We're here to serve each and every employee," he states, "in his general facility needs. If anyone has problems, he should feel free to call us." A lot of people have already received the word. Al's office averages about 75 service request phone calls a day.



Ken Larsen

Ken Larsen has moved to Maynard as Manager, Physics Application, to develop the cross-product physics marketing program. Ken has been a member of the Digital Sales staff for seven years, for the past several years as Western Regional Manager, and has considerable first-hand experience in uses of computers in physics research.

Ed Kramer has been named LINC Marketing Manager. Since coming to DEC in 1967, he has served on the Maynard Sales staff. He is an electrical engineering graduate of City College of New York and has an MSEE from Northeastern University.



Ed Kramer

## Scotland Show



Lord Mountbatten, right, listens to Digital representative's explanation of DEC computer.

The game, played over a telephone link, brought together the I.C.L. machine at Lancaster University, and the first of Digital's PDP-10's exhibited at a United Kingdom show.

A spontaneous burst of applause hailed the PDP-10's victory, after a game that had left everyone exhausted, except the participants.

Digital's was also one of the few exhibits visited by Lord Mountbatten, who attended to officially open the I.F.I.P.S. Congress. Very fittingly, his arrival on the stand was signalled by the PDP-10 giving an organ-like rendering of "Rule Britannia," and his departure by "God Save the Queen."

Excitement mounted outside Digital's booth at the I.F.I.P.S Congress as the PDP-10/Lancaster University I.C.L. chess contest neared its end. A spontaneous burst of applause hailed the PDP-10's victory.

## Softball Title to Novices

The Programming/Model Shop softball team, a freshman entry in the DEC softball league, defeated the defending champion, Production Control, in a best-of-three game series for the 1968 DEC Championship. The top five teams in the final league standings compete for this title.

The first Programming-Production game was a 5-4 thriller with the Programming/Model Shop's winning run scoring in the last inning. In the second game, Programming/Model Shop overcame a seven run deficit to win 9-7.

The new Champs suffered from early-season doldrums before sailing through a long winning streak at the season's end to wind up 10-6 in the league's third place. Stars of the Play-off series were pitcher Nick Pappas, winner of both games, Bill Segal, Don Alusic and Jim Murphy.

Members of the Programming/Model Shop team were Nick Pappas, Doug McMillan, Don Alusic, Bill Segal, Dave DiGirolamo, Jim Murphy, Dom Andella, Jim Carron, Bryan Dungey, Charlie Romeo, Jim Pitts, Tom Pitman, Max Dietrich, Chuck McComas, Tom Bartlett and Jim Kessler.

Jim Murphy, Programming/Model Shop, captured the league's Most Valuable Player Award this season, while George Nickerson, PDP-10, won the Sportsmanship Award.

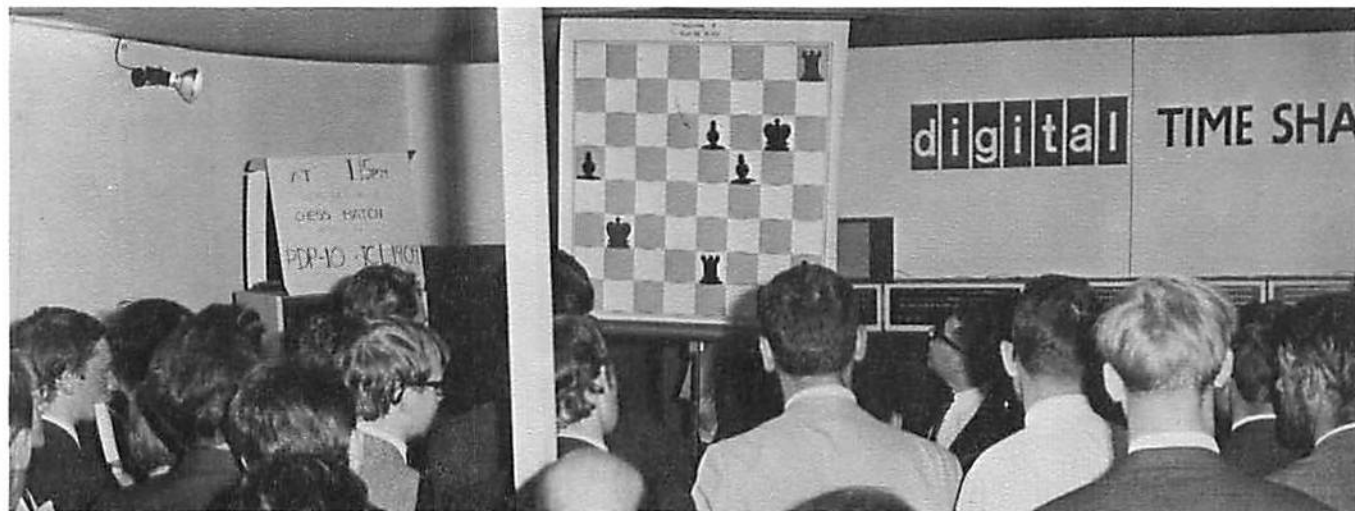
Jim's slugging gained him the prize, as he led the league in home runs and was near the top in runs batted in. George received the Sportsmanship Award for gentlemanly conduct during games and his calm self-control whether his team won or lost.

The Softball Committee, comprised of two representatives from each team, selected the winners. Each representative had one vote he could cast for anyone besides a teammate.

### FINAL LEAGUE STANDINGS

	Won	Lost
Production Control	14	2
PDP-9	12	4
Programming/Model Shop	10	6
Special Systems	9	7
Personnel	9	7
PDP-8/1	6	10
PDP-8	5	11
PDP-10	3	13
Drafting	3	13

Batting Champion - D. Alusic  
 RBI Leader - R. Chestna  
 HR Leader - J. Murphy



Excitement mounted outside Digital's booth at the I.F.I.P.S Congress as the PDP-10/Lancaster University I.C.L. chess contest neared its end. A spontaneous burst of applause hailed the PDP-10's victory.

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Versatile Dr. Asimov, an associate professor of biochemistry at Boston University's School of Medicine, has written more than eighty books on such varied subjects as particle physics, life sciences, history of the Bible, and the origins of words.

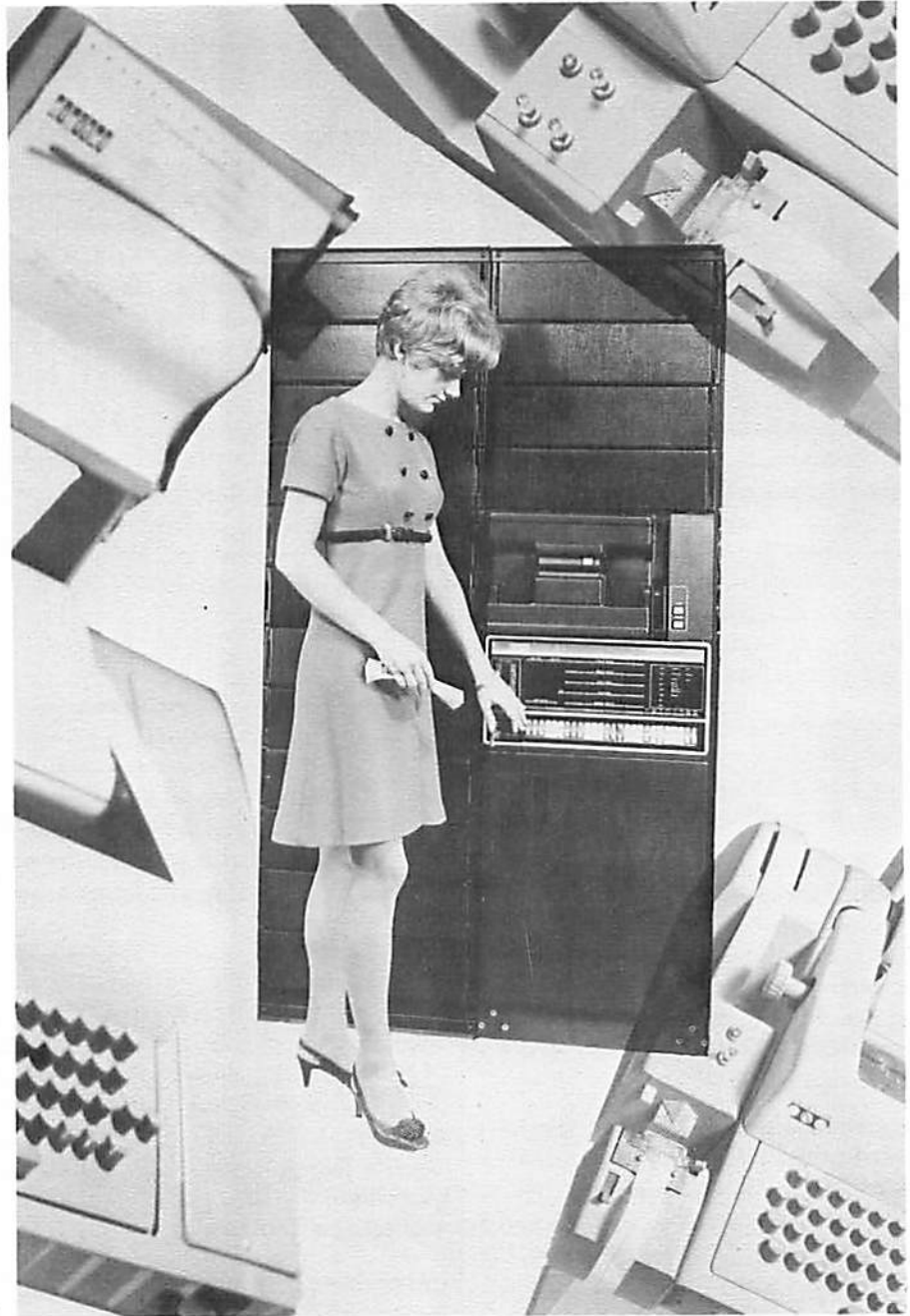
He considers writing science fiction a leisure activity. *Scientific Research* magazine recently included a full-color cover picture of Dr. Asimov and called him the "master expositor of science."

Besides writing books, Dr. Asimov edits a leading science fiction magazine, lectures frequently, and writes articles for many magazines.

He found the PDP-8/1 computer assembly area particularly interesting because it contained a parallel to one of his first science fiction stories concerning robots. In the story "Robbie," a company that manufactured robots had a small assembly line where robots were building other robots. In the PDP-8/1 assembly area, PDP-8/1's are used extensively to check out other PDP-8/1's.

Dr. Asimov confessed once that he liked to work with numbers. When he was shown a PDP-8/1 programmed with FOCAL, he was visibly impressed by the speed with which the computer solved a complicated equation for an unknown quantity.

Dr. Asimov came to Digital at the invitation of Steve Kallis, Jr., Advertising, a long-time friend and himself the author of several science fiction stories.



Multiple use of Digital's Time-Share-8 typewriters over-shadowing the computer. is symbolized in this photo by the tele-

## OCTOBER ANNIVERSARIES

### 11 years

Paul Green  
Alma Pontz

### 8 years

John Anderson  
James Hogan  
Ken Pierce

### 7 years

Donald Crowther  
Anna D'Errico  
Millard Bud Dill, Jr.  
Edward Duggan  
Arthur Parks  
Ethel Sousa

### 6 years

Richard Reilly

### 5 years

Bertha Bettinger  
Paul Chambers  
Hilja Cutter  
Robert Hesseltine  
Stephanie Lambert  
M. Therese Morin  
Larry Portner  
Louis Raymond  
Hazel Schnair  
Stephen Spaulding

### 4 years

Stanley Baker  
Virginia Barilone  
Mary Clark  
Jimmy Davis  
Philip Despo  
Frank Hibberd  
Majorie Kazeniac  
Dorolyn Lucas  
Claude Payette  
Philip Smith  
Lillian Werner  
Ronald Wolf

### 3 years

Howard Brocius  
Anthony Chulada  
Evelyn Dow  
Mary Goddard  
Peter Gollnow  
Edward Goodbar  
Barbara Iannarelli  
Melvin Mager  
John Orifice  
Henry Peront  
Marie Poirier  
Jerry Sarasin  
Jessalyn Tobin  
John Tobin  
Anna Zaker