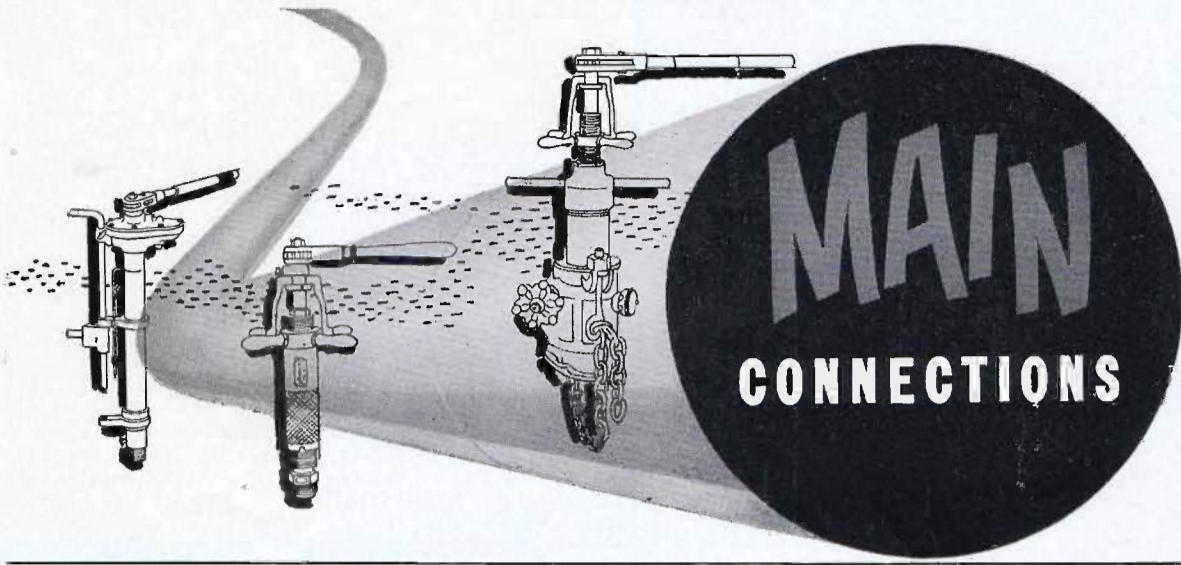


March 1959

MRS. ROBERT MUELLER PASSES AWAY



Published by Mueller Co., Decatur, Ill. — Jim M. Milligan, Editor

March, 1959

Gannon Named Vice-Pres.; Gannon Tells Two Board Members Added Of Retirees

On December 11, 1958, the board of directors of Mueller Co. held its annual meeting in Decatur. One new officer and two new board members were elected at that time. Dan R. Gannon, general sales manager, was named vice-president and general sales manager. Joining our board were Harold M. Sherman, Jr. and Joe H. Gardner.

Mr. Sherman is vice-president of Guaranty Trust Company of New York. A native of Newport, Rhode Island, he joined the staff of Guaranty Trust in 1930. After thirteen years of handling the bank's business in six mid-western states, he was appointed vice-president in charge of the bank's general organization. A resident of Larchmont, New York, Mr. Sherman is married and has one son.

Mr. Gardner, a resident of Washington, D. C., is president and treasurer of the Bingham & Taylor Corporation, Culpepper, Va., and the Opelika Foundry Company, Opelika, Ala. He is also a director and member of the board of trustees of Fauquier Hospital in Warrenton, Va. Mr. Gardner was a Navy Commander during World War II.

On November 25, Mueller, Limited held its annual meeting in Decatur. O. E. Walker, formerly vice-president and works manager of Mueller Co. was elected to the position of executive vice-president and general manager of the Sarnia subsidiary and also became a member of the board. All other officers and directors were re-elected.

Officers of Mueller Co. are:

- A. G. Webber, Jr., president
 - W. H. Hipsher, executive vice-president
 - Leo Wiant, administrative vice-president
 - Frank H. Mueller, vice-president and director of engineering
 - Dan R. Gannon, vice-president and general sales manager
 - Leroy J. Evans, vice-president in charge of eastern sales
 - Lyle R. Huff, secretary-treasurer
- Officers of Mueller, Limited are:
- G. W. Parker, president and treasurer
 - O. E. Walker, executive vice-president and general manager
 - R. J. Skippon, vice-president and factory manager
 - R. M. Nicolson, vice-president and general sales manager
 - J. Milne, secretary
 - C. S. Browett, assistant secretary and plant controller

On the board of directors of Mueller Co. are:
Joe H. Gardner

W. H. Hipsher
Mrs. Addie E. Mueller
Frank H. Mueller
Mrs. Pauline V. Mueller
Mrs. Charlotte Mueller Schluter
Mrs. Lenore Mueller Schmick
Franklin B. Schmick
Harold M. Sherman, Jr.
A. G. Webber, Jr. (board chairman)
Leo Wiant

Members of the Mueller, Limited board of directors are:

- Orval W. Diehl
- W. H. Hipsher
- J. Milne
- Ebert B. Mueller
- R. M. Nicolson
- G. W. Parker
- R. J. Skippon
- O. E. Walker
- A. G. Webber, Jr.
- Leo Wiant

Local Engineers In Celebration

A banquet for all engineers of the Decatur area was held at Masonic Temple on February 26 in recognition of Engineer's Week. The observance has traditionally been held during the week of George Washington's birthday. Our first President was an engineer who made land surveys, designed and built canals, roads, bridges and fortifications.

The banquet was sponsored by the Decatur chapter of the Illinois Society of Professional Engineers. Speaker for the evening was Rear Admiral Rawson Bennett, Chief of Naval Research, Washington, D.C.

The purpose of Engineers' Week is to point out that the foundation of our rapidly expanding economy is based upon the work of engineers in creating new products, better materials and better methods. The amount of goods produced has doubled in the past 25 years, and improved designs, tooling and methods have helped the worker increase his productivity an average of 2.5 percent a year since 1930.

Members of the Mueller Engineering Division who are members of the society include Walter Bowan, Lynn Edwards, Wallace Gould, Lawrence Lukenbill, Robert Rhodes and Fred Tratzik. Ray Kileen and Earl Lowe also hold membership in the group.

Dan R. Gannon, vice-president and general sales manager of the Company, has announced the retirement of Harry V. Seevers and Paul L. Hines, both sales representatives with long periods of service.

Mr. Seevers joined the Company in 1917 and was assigned to the state of Kansas. At the time of his retirement he was serving Kansas, parts of Iowa and Nebraska, and the Black Hills section of South Dakota. His son, Dick, is also a Mueller sales representative. Mr. Seevers had the distinction of serving the state of Kansas for 42 years.

Mr. Hines joined the Company in 1920. His sales activities have been concentrated in the South and Southwest since that time, including Arkansas, Louisiana, Mississippi and West Tennessee. Mr. Hines served the state of Arkansas for 38 years.

Their retirements became effective late last year. Mr. Seevers has been succeeded by M. D. Sylvan; Mr. Hines has been succeeded by Cecil A. Brown.

Fears Credit Union Head

Otis B. Fears was elected president of the Mueller Co. Employees Credit Union at the groups annual meeting held in the cafeteria on January 19. Other officers elected were: Albert Spitzer, vice-president; Harold Munsterman, treasurer; and A. Stanley Ashby, secretary. Named directors were: Carl I. Maurer, Cecil D. Kelley, Harold W. Taylor, Orville Spencer, Jr., Frank Ridgeway, Charles L. Brown, Richard C. Tish, Russell Armstrong, Howard Gleespen, Haldon L. Hanson and Eric Blankenburg.

The annual report indicated that, in 1958, the Credit Union enjoyed the greatest annual growth rate since its organization in 1944. This increase, in terms of assets, totaled \$153,843.67. Total assets at the end of 1958 were \$1,302,980.44, of which \$755,684.19 was in loans to members. During 1958, the Credit Union loaned \$1,229,881.79 to its members.

A four percent dividend on shares, amounting to \$42,394.93, was paid during the year. Membership now stands at 1126.

Services Held March 6 For Widow of Founder's Son



MRS. ROBERT MUELLER

Mrs. Robert Mueller, widow of a son of Mueller Co.'s founder, Hieronymus Mueller, passed away in her Decatur home on March 4, 1959.

Mrs. Mueller, who was a member of the Company's board of directors, was well-known as a civic and social leader in Decatur. At the time of his death, Robert, her husband, was vice-president in charge of public relations for the firm. He had been with the Company since the 1880's, serving on the board of directors after the firm's incorporation in 1893, first as secretary and then as vice-president.

Mrs. Mueller was a great patron of art and music. A very important part of her life centered in the musical career of her grandson, Robert Eugene Mueller, a pianist.

She had travelled a great deal in all parts of this country, England, Scotland and Wales, the continent of Europe, the Holy Land and Australia. She was also known by many persons in the waterworks and natural gas industries as a result of her attendance, with her husband, at many regional and national conventions.

In addition to her talents as a musician, Mrs. Mueller was a person of unusual beauty and charm. Gifted with a vivid personality, her unfailingly cheerful and friendly disposition made many friends for her locally and elsewhere. She contributed liberally to her church and to charities generally. And many persons were recipients of her private aid and assistance.

In 1952 an accident in her home resulted in severe injuries. Although she was not permanently crippled, her activities were curtailed. Yet to the end, she maintained her previous outlook on life and the greater part of her interests.

Mrs. Mueller, the former Addie Ebert, was born in Dayton, Ohio, but lived most of her life in Decatur. She was graduated from Decatur High School in 1887, and attended music schools in Dayton, Springfield (Ill.) and Decatur. She leaves a son, Ebert B. Mueller, Port Huron, Michigan, and three grandsons, Robert Eugene, John S. and James F. Mueller. A sister, Mrs. Karl Merris, preceded her in death.

Funeral services were held on Friday, March 6, in Decatur. Mrs. Mueller's family requested that friends make contributions to the Addie E. Mueller Scholarship at Millikin University. This scholarship, established by Mrs. Mueller, assists worthy music students who plan to enter the teaching profession.

Hackman Assists Wall in Chattanooga

Frank C. Hackman has been named assistant plant manager of the Chattanooga plant, according to an announcement by J. H. Wall, Plant Manager.

Mr. Hackman joined Mueller Co. in Decatur in 1937, and remained here until 1955. He rejoined the Company in Chattanooga March 1 in his new capacity.

Mr. Hackman, his wife, Doris, and their two sons, Lynn and Bill, have purchased a home at 1425 Awhila Drive in Chattanooga.

Crossword Puzzle
on Page 4

HERE and THERE ... in Decatur

We'll start off this column by admitting two "goofs" in the last issue of MAIN CONNECTIONS. In that issue, we forgot to offer congratulations to two proud papas, Norman Wilcox and R. L. Burdick. Norm and Mrs. Wilcox became the parents of a girl, Rebecca Ann, on September 24, 1958. The new champ of the Wilcox clan weighed in at six pounds, one ounce. Papa Wilcox is Test Lab Lead Man. Bob and Mrs. Burdick welcomed Robert L. Burdick, Jr., on August 30, 1958. Bob is our sales representative in that perpetual sunshine state — Florida. Belated congratulations to you both!

Orville F. Spencer (Shipping) is a mighty proud individual these days. When the Lakeview Board of Education (now a part of the Decatur Board) met some time back to discuss the new Brush College No. 2 elementary school, they decided to name it the Orville Spencer Grade School in honor of his long years of service as secretary of the board. Orville assumed that post when the board was first organized in 1948. We share your pleasure in this honor, Orville.

Our own Herman Jackson (Catalog) had an exhibit of his art at the Decatur Public Library the week of January 5; judging from reports, the exhibit was well-received and highly-praised. The show consisted of charcoals, water colors and oils, with major emphasis on oils.

Another belated congratulatory message to Mr. and Mrs. Bob Thomas (Bob is a Sales Rep.). Six pound, one and one-half ounce Daniel Frederick entered their lives on November 23. Many happy years ahead!

Members of the 4-X Club report a very nice February program, thanks to John Kilborn, who recovered from surgery in time to deliver a narrative on auto racing. Most of you probably know that John is quite a racing fan, and has won a number of top races in the past few years.

We'll lift a couple of news items from Mary Lou's column, since there is more space here for them. (I guess that indicates she works harder than the editor!) Mr. and Mrs. Marvin Hardin (he works in Tool Engineering) are the proud parents of their third child, Douglas Wayne, born March 9. Doug weighed in at seven pounds, four ounces. Gene and Rita Sarver (Great Lakes, Ill.) are the proud parents of a seven pound, two ounce girl, Donna Joanne, born March 10 in the Navy Base Hospital at Great Lakes. Grandparents are Charles and Ruth Brownlow, and Gerald and Lucille Sarver, all Mueller employees except Lucille, who is a former employee.

Persons who retire from Mueller Co. with twenty-five or more years of service now have their choice concerning the type of photograph they wish to have taken for MAIN CONNECTIONS. Under the new plan announced recently by Harlan White, assistant works manager, these persons may choose (1) a photo which includes their fellow-workers, or (2) a portrait-type photo taken at Piper-Jones Studio. Persons expecting to retire soon are asked to be thinking about these choices.

Copies of *Two Miles North*, a novel by Adele Murphy concerning Decatur and Macon County Hospital, are still available by writing the hospital. Price of

the book is \$2.75, plus \$1.4 for postage.

A new feature begins with this issue of MAIN CONNECTIONS—a crossword puzzle. If you enjoy it, we would like to hear from you. Your comments will determine whether or not we continue to use these puzzles in future issues.

Secretary Harold Munsterman received quite an honor shortly after our last issue of MAIN CONNECTIONS went to press. He was the recipient of a certificate dated Oct. 11, and signed by officers of the Central Illinois Ralph G. Long Chapter. The certificate stated: "In Appreciation. We of the Central Illinois Ralph G. Long Chapter salute you — Harold Munsterman—on behalf of the eleven million members of Credit Unions in the Western Hemisphere, and extend to you our heartfelt appreciation for your outstanding service to your fellowmen through the Credit Union Movement."

Main Office News



by Betty Workman

Sonja Brooks, Billing Dept., became engaged to David Rathje on December 24. Dave was graduated in January for the University of Illinois. Wedding bells were scheduled for March.

Sharon Thompson (Sales) became engaged to Ronald Tonks on October 31. No wedding date has been set.

Danny Nation (Mail Dept.) was married December 6 in Charleston to Linda Goodmiller. The happy couple resides at 262 West Eldorado.

Betty Cameron (Sales) was married to Floyd Anderson at 10 A.M. December 27 in the Sacred Heart Church in Effingham. Carolyn Jahraus was maid of honor, Mary Ann Frein bridesmaid, and Carl Wente best man. They are living at 2060 N. Maple.

The Payroll Dept. had a dinner at the Elks Club on December 27 in honor of Dick Carruthers, who has left the Company. Mr. and Mrs. Glen Hirsch, Mr. and Mrs. Glen Livergood, Mr. and Mrs. Loren Barding, Mr. and Mrs. Gene Watts, Mrs. Betty Workman, Mr. and Mrs. Lee Kimmons and Nancy Kimmons presented Dick with a set of gold cuff links and tie bar.

Nancy Laymon will be the MAIN CONNECTIONS correspondent for the MAIN OFFICE, beginning with the next issue.

Thanks to all those who have contributed news, and I hope you will all co-operate with Nancy. (THANKS FOR YOUR FINE WORK, BETTY... Ed.)

Engineering News



by Mary Lou Wheatley

The Drafting and Records Departments enjoyed a Christmas dinner party at the Bel Aire in Taylorville on December 21. After dinner, everyone was entertained in the home of Mr. and Mrs. Ben Jones in Taylorville.

John Schuessler of Tool Engineering recently spent two weeks in Navy Reserve Training at Port Hueneme, California. While there, he attended Sea Be Construction School, which is a center for draftsman training.

Carl Floren finished the year by being exactly one hour late on the last day of 1958. Arriving at 8:30 A.M., he started working and was unaware of the time until someone called it to his attention. He was certain he had heard the seven A.M. news on the way to work. When he returned home that evening, he discovered that every clock carried the right time, except—yep, his alarm clock, which was an hour slow. That's alright, Carl. Perhaps 1959 will be a better year!

A shirt, tie, bathrobe, golf club covers and auto floor mats were among the gifts exchanged in the Tool Room and in Tool Engineering when Christmas gift presentations were made to Pete Duncan, Earl Collins and Carl Hill. The affair was capably handled by Bill Kuntz and his nearly-inexhaustible repertoire. Bill also received a couple of gifts. One was the strange-looking tomato which was pictured in the last issue of MAIN CONNECTIONS. Perhaps you will remember that Bill had grown the "monstrosity" in his garden, brought it to work, and presented it to Bill Dannewitz. Bill D. then took it home, quick-froze it, and gave it back to Bill K. at this party. Bill Kuntz also received a golf club made by the expert hand of Bob Leipiski. (Thanks to Ruth Brownlow for this bit of information.)



"There's really no difference driving inside the plant—just more people scrambling to get out of the way!"



William H. Binstead receives a retirement gift from Assistant Plant Protection Officer Archie Sefton and Charlie Miller as General Superintendent. Mr. Binstead retired after nearly 39 years of service to the Company.

Plant 4 News



by Sue Stratman

Mr. and Mrs. Claude Stacey (he works in Dept. 64) greeted the stork instead of Santa Claus on December 24. An eight pound, three ounce boy—John Robert — was their most welcome Christmas gift.

Bob Hartness (Dept. 60) has taken a six month leave of absence for training with Uncle Sam in the U. S. Army. He left January 17, and is stationed at Fort Leonard Wood, Missouri.

Home for the holidays was George Isome, who is attending the University of Illinois. He is the son of Virginia Isome, Plant 4 nurse.

Mrs. Don Phipps (Winnie) is a welcome addition in the office at Plant 4.

Mrs. William Shumake and her three children left January 9 for Kaiserslauter, Germany, to join her husband. She is the daughter-in-law of Jim Workman, an inspector at Plant 4.

Our Plant 4 electrician, Chuck Schroeder, recently went deer-hunting for 10 days at Warren, Pa., in the Allegheny Mts. He was accompanied by eight buddies. They claimed eight kills, so we'll all expect some venison steaks later on.

"Don't do as I do—do as I say!" is now the oft-used phrase of one of our foremen. It seems he was explaining the operation of a machine to a new man. He particularly stressed the fact that the man should not pull a certain lever because oil would pour all over him. A few seconds later, the foreman accidentally pulled the lever. He was saturated with oil!!!

Mr. E. H. Potts, foreman in Dept. 10 and better known as "Pottsie," celebrated his birthday January 12. Special congratulations were in order, since Pottsie finally gave up the idea that he was 39. A quick phone call proved that he was only shorting himself two years in age. Just can't get by with anything anymore, can you. Pottsie?



These two look-alikes belong to Mr. and Mrs. John Schuessler. John is employed in Tool Engineering. The boys are Jeffery, age 2 and Blair, age 1.



Mr. and Mrs. John Niederbrach (John is in Dept. 37) are justly proud of their family, which consists of Helen, age 5, Bobby, age 3½, and Mary, age 2.



This is a 9-month photo of Julie Lee Milligan, daughter of Mr. and Mrs. Jim Milligan. Julie was born on Valentine Day—February 14, 1958.

Local Man Builds Large Model Plane in Spare Time

One of the more interesting hobbies we have run across of late is that enjoyed by Ray K. Brown, Dept. 80. Ray, who lives at 723 West Division, has spent a great deal of time recently on construction of the "Silver Bird," a model plane not to be confused with the small planes many of us used to put together on rainy afternoons when we were younger.

Ray's "Silver Bird" is a model of a Cessna "170." Its wing span is six feet, two inches, and is painted silver with blue trim. The name of the plane was taken from the picture of a bird painted on the windshield.

Ray tells us that he has worked on this project during his

spare time for the past two years; his initiative stems from a childhood love of building smaller planes.

The plane is constructed of balsa wood, plywood, silk, fiber glass and paper. It is painted and waxed heavily. It is radio-controlled; the control unit generates a radio signal which is sent out into space. A tiny receiver in the plane picks up the signal, amplifies it, and operates a sensitive relay system and an actuating device for the operation of the control surfaces and for the engine. The radio control unit has caused Ray some difficulty due to his unfamiliarity with it, but he states confidently, "I hope to have it flying this summer!"



“. . . into the Wild Blue Yonder . . .”



"Are you buying or selling?"



"Pay no attention—that's mainly for the guys in the 'shop."



DECATUR EMPLOYEES

Are you acquainted with the MAIN CONNECTIONS correspondent nearest you? Sue Stratman handles news at Plant 4; Nancy Laymon is assigned to the Main Office (all departments); Mary Lou Wheatley covers the Engineering Division; and Jim Milligan takes the remainder of the plant. Whenever you have any news and/or photos, contact one of these people or phone Ext. 232. MAIN CONNECTIONS can become very interesting and anxiously awaited only when each of you has a sincere desire to co-operate in the presentation of the news. Remember: it is YOUR paper. Take advantage of your opportunity to use its pages as a means of letting your co-workers know what you have been doing. Your help is needed, and will be appreciated. Thank you.

Editor



"I'm the efficiency expert from the main office. Never mind shaking hands—waste motion!"



Jim Cussins did it again—with another beautiful stage plan for the Christmas Party. Jim has handled the set design for several years, and this dramatic view, taken from the balcony at Masonic Temple, is

evidence of his ability. This photo was taken at the beginning of the show, just after Santa began his annual message to the children.

Space limitations make it impossible to identify each of these nineteen persons who ushered at the Christmas Party; but, as you can see, the stage

certainly wasn't the only glamorous feature of the Party.



These are the members of the committee who planned and staged the 1958 Childrens Christmas Party on December 20 at Masonic Temple in Decatur.



Facts About Superstition

by
Stewart Hoagland
Interchemical Corporation

Ever wish on a falling star? Or bulldoze bad luck with a knock on wood? Ever change course when a black cat crosses your path? If you do, you're not the only one. Though no one admits to it, practically everyone has at least one pet superstition.

The idea of a lucky star dates from the Nativity—the Star of Bethlehem. And why are black cats ominous? Because our medieval ancestors were positive the Devil and his witches-in-waiting prowled the earth in the garb of black cats.

Knocking on wood comes from the Druids of ancient England who believed trees were inhabited by gods. When asking a favor, Druid priests would touch the bark of a tree. If the tree-god was in a good mood (a mood to grant the favor!) he'd return the Druid's knock.

If some wooden things are lucky, why are wooden ladders so fearful? This superstition stems from early mystics who saw the triangle as a symbol of the Trinity, and hence, of eternity. Anyone who barges through the triangle under a ladder is therefore tempting the fates—who may retaliate by pushing the paint bucket over! But the blunderer can save himself in one of three magic ways:

- 1) By making a wish.
- 2) By crossing his fingers.
- 3) By making the sign of the fig (closing the fist and thrusting the thumb between forefinger and middle finger).

The higher significance of the fig has been lost in the mists of history, but two crossed fingers have long symbolized perfect unity. Any wish made at the junction of a cross—where two roads, two lines, or even two fingers met—this was a wish that was "caught" and would never slip away!

The Bible is full of Friday calamities—the fall of Adam and Eve, the flood, the confusion at Babel, the death of Christ. And when you add to fateful Friday the fearful number 13 (there were 13 at the Last Supper of Jesus), the result is a combination that awes many a superstitious citizen. No less a personage than Winston Churchill refuses to travel on Friday the 13th.

Backward regions have their own pet superstitions. If you belong to certain central African tribes, and if you're a woman, you would never be allowed to eat liver. Why? Tribal lore says the liver is the seat of the soul, says also that women obviously have no souls (and mustn't be allowed to get any!).

But you don't have to go to backward regions to find people carrying rabbit's feet. This comes from our cave man ancestors who were awed by the way a rabbit thumped his hind foot, as if signalling other cottontails, while romping around in the moonlight. (The moon goddess was universally worshipped and feared.)

Another animal, the horse, was also sacred to many pagan people. And since everybody knew iron could route demons, it was natural that the horseshoe would bring good luck!

Almost all of us have the habit of covering our mouth when we yawn. Surely not a superstition, we say, but just good manners. And yet it all began when our forebears were afraid that yawning would let an evil spirit enter their bodies. They were afraid, very literally, of "losing their breath."

Color superstitions are plentiful among primitive people. Some African tribes believe

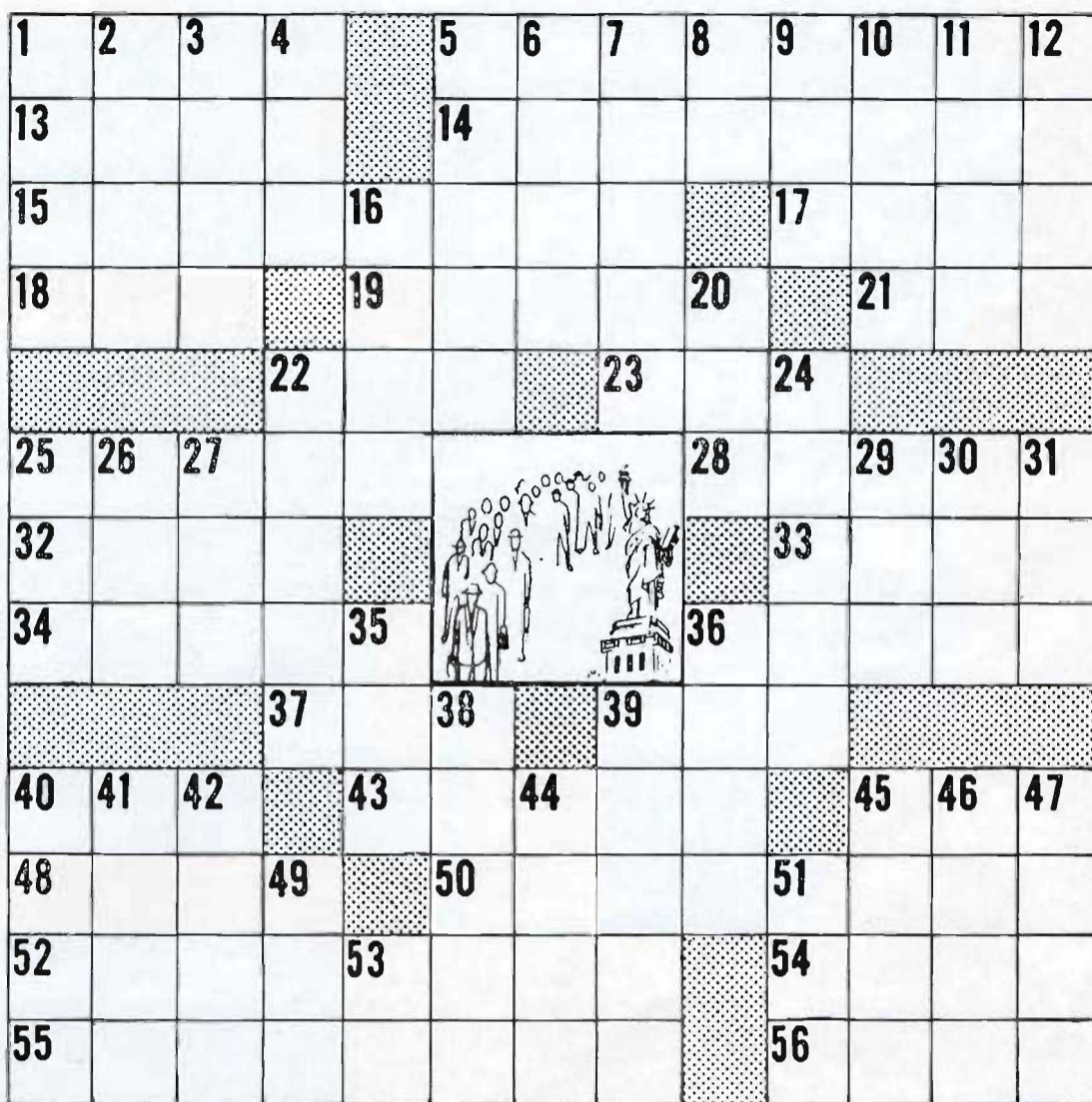
black is the color of rain—to produce rain a black animal must be sacrificed. Peasants in parts of Russia put skeins of red wool around the arms and legs of fever victims. Many modern popular beliefs about color are not superstitions at all. Red and orange really do tend to excite emotions, blue and green to calm them. Color designers and psychologists, together with modern color laboratories such as those at Interchemical Corporation, have done much to remove the superstition from our dealings with color both in business and the home, and to make the use of color a science.

Speaking of business, did you know that the traditional and sober 99-year lease has its roots in a superstitious "numbers" game? The 100-year contract was never fashionable because even numbers were once considered unlucky. And one of the reasons the two-dollar bill came under a cloud: gamblers never liked a "deuce."

Far from being the musty old relic that many people think it is, superstition is as lively, contemporary and quick-sprouting as a garden weed. New ones are sprouting up all the time. In the last 20 years, baby shoes have become the guarantee of automatic safety for many a driver. And from the lunch counters and hamburger joints throughout the country a baffling belief has arisen—bubbles clustered in the center of your coffee mean money on the way.

An estimated 20 million of us tote lucky charms of one sort or another. President Eisenhower carries a five-guinea gold piece. Harry Truman can't be separated from a miniature piano. Countless numbers of us wear "lucky" clothes at crucial times.

So instead of burying that rabbit's foot in your pocket, take it out and show it to your friends. They might turn out to be fellow fetishists! But be careful. A gust of ill-wind might blow your lucky charm under a ladder or across a black cat's path. All the four-leaf clovers in Ireland couldn't help you then!



ACROSS

1. Cast your ballot
5. The right to vote
13. Demagogue
14. Choice of candidates for office
15. They have the right and duty to vote
17. One of a Slavic race
18. Compass point
19. What candidates do before election
21. Sneaky
22. Foreign Officers
23. Before you can vote, you must have reached a certain chronological
25. Where you vote
28. Attack
32. Town in Georgia
33. Responsibility
34. This class of voters received the franchise in 1920
36. Sensible
37. Thus
39. Prisoner of War

(ANSWERS ON PAGE 10)

40. Impediment
 43. These elections are just as important as national ones
 45. Politics (ab.)
 48. Too bad
 50. Right of self-government
 52. To enroll in voting lists
 54. Children
 55. Put into practice, as the right to vote
 56. Characteristic of elections in U.S.
- DOWN**
1. Prefix denoting elected officer who may assume duties of his superior
 2. Norse god
 3. Carry
 4. Yale university
 5. Prophets
 6. Bone of the forearm
 7. Celebration (Italian)
 8. Follow Copy (ab.)
 9. Rights (ab.)
 10. Is ailing
 11. Aim

12. Jealousy
16. Collections of animals
20. Idea of self
22. Floating sheets of ice
24. Establish permanent fund for support
26. Maw's husband
28. Combining form, the ear
27. Lowest Common Multiple (ab.)
29. Take the place of (slang)
30. Summer (French)
31. Norse god, son of Odin
35. Nothing
36. Alone
38. Raccoon-like South American animal
39. Shepherd (French)
40. With nothing to spare, as—elected by a majority
41. Alexander's nickname
42. Wrath
44. Hints
45. Inadequate
46. All (Latin)
47. Dissolve
49. Form of address
51. Not Sufficient Funds (ab.)
53. Southern State (ab.)



"You may as well change back into your regular clothes. The boss couldn't make it."

YOU and Public Relations

A company's public relations is made up of hundreds of things, large and small, beyond any regular public relations activities the company engages in. Everyone in the company is, in fact, a part of public relations. Each piece of quality work turned out—every letter typed—every phone call handled—every meeting with plant visitors—all these things have their effect on public relations.

Public relations is a vitally important part of modern American business. It makes friends for the company, but it is more than merely making the company and its products known. Good public relations conveys to the people who have any contacts of any kind with the company an appreciation of the company's character—its attitudes, integrity, and its problems in operating as an asset to the community.

Good public relations not only helps to increase sales, but also to establish the kind of faith in the company that forms a foundation for growth and expansion and future job security.

Whenever you speak, write, or act as a company employee—whether the contact is personal or indirect—you influence the public's opinion of the company. To those who meet you, or know your work—you ARE the company.

Bowling Race Tight; Tool Engineers Tops After 72

After 72 games of competition in the Mueller Bowling League as of February 12, the ten-team league was topped by Tool Engineers, with a slight edge over Works Managers. Third place was retained by Main Office. Tool Engineers won the league competition last year.

The complete team standings, as of February 12, were as follows:

Tool Engineers won 41½, lost 30½, 852 average, high game of 1019, high three games of 2757; Works Managers won 40½, lost 31½, 838 average, high game of 972, high three games of 2660; Main Office won 39, lost 33, 803 average, high game of 949, high three games of 2579; Experimental won 38, lost 34, 808 average, high game of 963, high three games of 2659; Standards won 37, lost 35, 790 average, high game of 926, high three games of 2628; Product Engineers won 36, lost 36, 786 average, high game of 917, high three games of 2698; Plant 4 won 36, lost 36, 778 average, high game of 910, high three games of 2567; Specialty won 34½, lost 37½, 788

average, high game of 950, high three games of 2552; Pattern Shop won 31½, lost 40½, 795 average, high game of 926, high three games of 2599; Brass Finishers won 26, lost 46, 781 average, high game of 910, high three games of 2569.

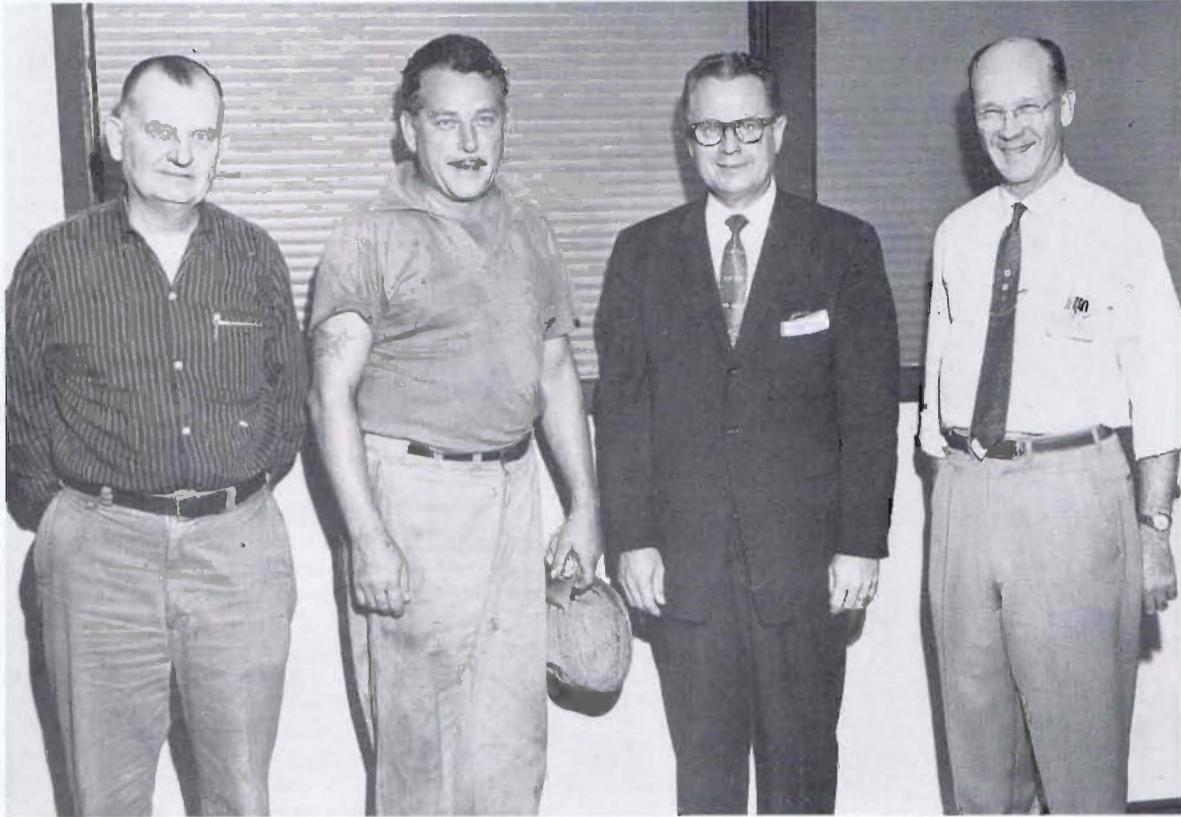
Ranking tops on the list of ten high bowlers was Ben Taylor, with a 182 average for 57 games. Ben took top individual honors last season. Others in the "top ten" on February 12 were:

D. Reidelberger, with 179 for 63 games; Bob Leake, with 178 for 60 games; B. Flaughter, 177 for 68 games; L. Edwards, 177 for 63 games; B. Knorr, 177 for 50 games; J. Bain, 176 for 63 games; H. Stratman, 175 for 71 games; E. Nalefski, 173 for 63 games; P. Hawbaker, 172 for 59 games.

Individual high game honors rate as follows: L. Edwards, 267; Bob Leake, 255; E. Nalefski, 245; J. Mahoney, 243; and Ben Taylor, 242.

Individual high three game statistics were: Bill Leake, 625; H. Stratman, 624; Ben Taylor, 623; Jack Bain, 618; and D. Reidelberger, 616.

Four Men — 120 Years of Service



These men each received their 30-year service pins and certificates in October. They are, left to right: Ernest Wittke, Dept. 50; George Sulver, Dept. 70; Purchasing Agent Ray Kileen; and Wallace Gould, Dept. 44.



Paul Staub, Dept. 47, displays retirement gifts he received from co-workers when he retired December 16. To Paul's left is Orville Spencer, a long-time co-worker who made the presentation.



Factory Manager Roy Abel hands Jesse Dailey his 30 year award. Jesse is employed in Dept. 90. The award photo was taken in December.

At the right, Frank Williams presents a retirement gift to Zenas Grinestaff. Zenas, Rough Stores Clerk in Dept. 80, had worked for Mueller Co. slightly over 36 years.



(above)
Albert Rokash retired on November 18 after more than 30 years of service. Presenting his retirement gift is Milo Wright, Iron Machine Shop Foreman. At the time of his retirement, Al was a Rough and Finished Stores Clerk in Dept. 20.

In the photo on the left, Vice-President and Director of Engineering Frank H. Mueller took a great deal of pleasure in handing Louis Bland his 40-year service pin and gift certificate. Louie is Test Lab Operator in Dept. 44.

In the photo on the right, Assistant Works Manager Harlan White presents Leo Masterson with a welcome Christmas Gift—his 30-year pin and gift certificate. Leo is employed in Dept. 41.





MUELLER CO. in Los Angeles

by
B. E. Stotler

On Saturday, December 20, 1958, we held our annual Christmas Party and open house from 1 to 4 p.m. at our Los Angeles plant.

Kiddie rides—a ferris wheel, chair-plane ride, and airplane rides—provided the entertainment for children of our employees. The rides were located in the parking lot on the west side of the factory. The rides were enthusiastically enjoyed by the children throughout the afternoon. Of course, the big event of the day was the opportunity each child had to talk with Santa Claus, who gave each one a toy.

The adults, for the most part, were kept busy watching the children and making tours through the plant. Light refreshments, consisting of donuts, coffee, ice cream sandwiches, milk, and fruit punch were served.

Over 120 children and several hundred adults attended the affair. All enjoyed the party and the chance to meet their friends and co-workers, most of whom they had not seen since the Centennial celebration held at Disneyland.

Congratulations are in order for:

Paul Duncan, employed in our Steel Machine Shop, on the latest addition to his family. Robert E. Duncan, born December 30, weighed in at eight pounds.

Robert Bow, employed in our Brass Machine Shop, on the first arrival to his family. Teresa Lorraine, born December 26, weighed nine pounds.

John Bronson, Brass Foundry employee, on his marriage to Esther Prestel on November 29 in South Gate, Calif.

Garry Peterson, polisher in Dept. 60, on their first arrival. Robert E. Peterson, born on January 6, tipped the scales at eight pounds.

Ruth Powell, steno in the Sales Office, was recently given a baby shower by a group of her co-workers. Ruth left us December 2, and we all wish her the very best of luck.

Peggy Wright, secretary to Plant Controller Augie Werdes, will also be leaving us soon to increase the number of members in her family. With her go our wishes for every happiness.



The lack of snow in Los Angeles certainly didn't hamper the Christmas festivities at the plant, as evidenced by these photos taken by Bruce Stotler. Bruce describes these festivities in his column adjoining the photos.



Following is a list of service awards presented to Mueller employees since September, 1958:

DECATUR

5 Years: Earney J. Black, James H. McClintick (salesman), George Kopp, Gerald P. Brown, Maurice L. Sefton, Orval R. Ishmael, Lowell V. Wellman, John W. Rollinson, Marvin R. Black, Herbert H. McDonald, Jerry L. Patton, O. Eilene Gogerty, and Dominick L. Cortese.

10 Years: Robert E. McQuality, James W. Edwards, John Scheen, Donald E. Lowe, and Amos A. Bailey.

15 Years: Willard C. Grider.
20 Years: Omer C. Porter, Louis E. Ross, Cecil W. Wilson, Carl W. Schuman, John R. Harrell, Joe Fleckenstein, Raymond F. Mounts.

25 Years: Hugh L. Baker and Charles L. Miller.

30 Years: Ernest A. Wittke, Raymond C. Kileen, Wallace E. Gould, George F. Sulwer, Leo T. Masterson and Jesse C. Dailey.

35 Years: Jennie Kinney and James W. Workman.

40 Years: Lewis A. Bland and Leroy J. Evans (Vice-President in charge of Eastern Sales).

LOS ANGELES

5 Years: James Hollingshead, Jacqueline Bergman, James Wolf, Alice Innerarity and Chester Hawes.

10 Years: Dudley Banks.
15 Years: Victoria Montoya.
20 Years: Leonard Johnson and Robert Newell.

25 Years: William Jacob and Val Stach.

CHATTANOOGA

5 Years: Hollis B. Cunningham, A. J. Davis, Bennie L. Dortch, Gene Frederick, Ralph T. Harris, William Harris, Leslie Hill, Victor C. Klitzing, Walter L. Walker, Eugene Ward, Lee R. Webb.

10 Years: William E. Benford, Jr., Julius D. Bullock, Roy Lee Caudle, Robert Chaney, Theodore Cochran, S. B. Crowell, Earl Hayes, Wayne M. Heyer, William E. Hixson, Jr., Billy Lindsey, Ralph Tolbert, Charles C. Turner, Dorsey White.

15 Years: Billings L. Jones.
20 Years: Willie Benford and Johnnie Watkins.

25 Years: O. E. Brown, Sam Foster and Troy Weaver.

30 Years: William Tyson.
35 Years: J. M. Eckman.

SARNIA

5 Years: Robert Phillips, George McLean, Donald Robotham, Kathleen Gardiner and Winnifred Vandezande.

10 Years: Mrs. Violet Henderson.

15 Years: Earl Brown and John Stott.

A QUARTER-CENTURY SMILE!



Val Stach, Core Room Foreman in our Los Angeles plant, happily receives his 25-year pin and gift certificate from Earl Bright, Plant Manager.



This photo shows William Jacob, Tool Room, accepting his 25-year pin and certificate from Mr. Bright during a ceremony in Los Angeles recently.

LOS ANGELES EMPLOYEES

Bruce Stotler is MAIN CONNECTIONS correspondent for your plant, but he needs co-operation from each one of you. This newspaper is distributed for one, and only one, reason — YOUR ENJOYMENT. It can exist only when you and your co-workers make every effort to supply your correspondents with news items. Bruce has other duties which make it impossible for him to contact each of you individually. Your help will be greatly appreciated, and we will make every effort to see that every worthwhile news item appears in MAIN CONNECTIONS. Thank you.

Editor

Herman Dash, General Cost Accountant in Los Angeles, is shown receiving his 30-year pin and certificate from Mr. Bright as Plant Controller Augie Werdes smiles approval. Through an oversight on the editor's part, this photo was omitted previously.

A San Antonio newspaper featured this ad in its classified columns recently: "Wanted, big executive, from twenty-thirty to eighty, to sit with feet on desk from ten to four-thirty and watch other people work. Must be willing to play golf every other afternoon. Salary to start: \$500 a week. We don't have this job open, understand. We just thought we'd like to see in print what everybody is applying for."





Sidelights & Highlights from Chattanooga

by Gene Racz

"—the day they tore the goal posts down . . . a moment to remember." Many of the fellows here have probably added this lyric to their memoirs of happy days; for, when the University of Chattanooga defeated the University of Tennessee for the first time in their fifty-one years of football rivalry, the rooting section was strengthened by a goodly number of Muellerites, cheering them on to victory. 'Twas the twenty-ninth time our home team had tried for a victory or even a tie. The idea of a group from the shop going was spearheaded by James Potter, and a greyhound bus was chartered. The guys made a day of it, and it must have been quite an experience.

Our deepest sympathy is extended to Ernest Johnson of the Iron Foundry in the recent loss of his mother.

"Best Wishes" to Zollie Dubose of the Iron Foundry and his bride, the former Nell Hardley. The ceremony was performed on November 15th, at the home of the bride on Ohls Avenue, by the Rev. Bonner.

Our kindest condolence is extended to the Paul Masons in the recent death of their little daughter, Sharon.

Miss Nadine McCallie, employed in the Sales Dept., became the bride of James LeBron Carden on November 26th at the Flintstone Baptist Church. The Rev. J. Lloyd Brown officiated. The bride was attired in a street length gown of hand-clipped Chantilly lace with taffeta overskirt. Her shoulder-length veil of silk illusion was attached to a crown of pearls trimmed with orange blossoms. She carried a Bible topped with a white orchid. A reception was held following the wedding, and the couple motored to Nashville. They are now residing on Tennessee Ave.

Mrs. Carden was complimented with a miscellaneous shower, prior to her wedding, given by Dolores McFadden, typist in the Engineering Department, and Phyllis McDonald, comptometer operator in the Payroll Department. The affair was held in the recreation room of the church.

To merely say he was a fine person would scarcely be describing, to the fullest, the feeling of the personnel here toward Charlie Gamblin. We knew him to be one of the kindest, most considerate and friendliest men in our experience. His sudden departure on January 5th has left many of us bewildered with a great sense of loss; and to Elizabeth, his wife, and his daughter, Ann, we offer our deepest regrets.

Several of the fellows here have had quite a busy hunting season this year. Claude Hawthorne, inspector, pictured with his kill, bagged this 8-point, 133 lb. buck in the Prentice Cooper Reservation; Charles Hayes made a shot count, killing a 4-point buck that weighed 112 lbs. field-dressed; John Logan, assembler, felled a 10-point, 132 lb. buck; John Hensley, assembler, added to his collection an



86 lb. doe; Billy Andrews topped them all with an 11-point buck; Curtis Reed dropped a 96 lb. spike buck, and Ronnie Bice made a kill on the last day of the season, bagging an 86 lb. doe. Now anyone especially fond of deer meat knows from whom to wrangle a dinner invitation.

Congratulations to the latest new fathers: Thomas Jordan, Machine Shop, son, Jeffrey, on November 14th; John Pekala, son, John Darwin, November 22nd; Luther Blue, Iron Foundry, daughter, Lucy Mae, born on December 13th; Evans Powell, Machine Operator, daughter, Margie Elizabeth, on November 13th; George Piper, Sales Department, Robert Edmonds and Betsey Jane, born on October 4th; and William Suttle, Maintenance, daughter, Angela Adele, on Sept. 26th. Extra special congratulations to Ben Roy, who became a grandfather on November 4th.

Our deepest sympathy is extended to Eddie Hinton of the Iron Foundry in the recent death of his mother.

To Marvin Davis, Iron Foundry, Wilbur Irwin, Machine Shop, Eddie Hinton, Iron Foundry and Carlton Clark of the Maintenance Dept. we extend our most sincere wishes for a complete recovery real soon.

The production department was entertained during the holidays with a social given by Mary Nelle Ellis at her home on Viola Dr. The affair was a huge success with gifts, entertainment and plenty of delicious food. Entertainment for the evening was contributed by six lovely ladies. They are shown tuning-up for their presentation of "Jingle Bells" elsewhere on this page. Mae Taylor is shown below deeply engrossed in opening a gayly-wrapped package. It was, to her delight, a dinner plate of her china, Geisha.

Congratulations to Dianne Warren, who was chosen as runner-up in the closely contested Junior Miss East Ridge contest recently. Dianne is a very pretty girl and I would like to wager that we will be hearing about many of her accomplishments in the next few years. She is the daughter of Lemuel Warren, supervisor in the Assembly Department.

WHY SO SERIOUS?



J. H. Wall, Chattanooga Plant Manager presents a 35-year service pin and gift certificate to J. M. Eckman, Chief Engineer in Chattanooga.



Dolores McFadden, typist in Engineering, Nadine McCallie, Sales, and Phyllis McDonald, Payroll, are pictured at the shower given in honor of Nadine, who became the bride of James L. Carden on November 26 in Chattanooga.



Six lively gals warm up for a round of "Jingle Bells" during a holiday party given by Mary Nelle Ellis. Left to right, they are: Shirley Smotherman, Mary de Coulston, Lois Trotter, Joan Long, Esther Newman and Jacque Harris. In the photo below, Mae Taylor is shown opening one of her gifts at the party.

Ione Mulkey, secretary to the sales manager, is looking forward to a visit from her only brother in the near future. He is C. H. Holston of New York City. Mr. Holston has been serving in the Navy, and hasn't been able to visit here for a long time. We hope they have a pleasant time.

We are happy to report that Mary Barker, wife of Jack Barker, who was seriously injured in an automobile accident in Ohio last June, returned to her duties as sophomore English teacher at City High on January 19th.



SERVICES

Concrete work done reasonably. Need new driveway, patio, floor or walk? Phone Marvin O. Davis at 9-7936 after 5 P.M. Satisfaction guaranteed.

WANTED

Good home for one-year-old cat that loves children. Light brown and white in color. Available because of conflict with dog. For prompt delivery, phone 2-6758 or 8-9372.

Red hot news for MAIN CONNECTIONS. May concern hobbies, vacations, impending marriages, personal honors — ANYTHING which has news value. See your nearest correspondent, or phone the editor, Ext. 232 in Decatur.

CHATTANOOGA EMPLOYEES

We would like to call your attention to the MAIN CONNECTIONS boxes which have been put up in several parts of the plant. These are for your convenience in contributing news. When you have any interesting items and/or photos for the paper, please write them down and slip them into one of these boxes. Remember: your capable correspondent is Gene Racz in Personnel. She has done an excellent job of providing us with news of you and your families, but she needs your help. Please co-operate by either calling or seeing Gene with your news, or placing items in these new MAIN CONNECTIONS boxes. Thank you.

Editor



"When he wants you, he wants you right away!"



"Any more 'Nays'?"



"They all want me to tell their wives they're allergic to dust so they can get out of spring cleaning!"

MUELLER, LTD. Reports

by
ALMEDA M. REEVE



Phil Hamilton, Stock clerk, has always been known for his sports enthusiasm, but he and Mrs. Hamilton had a very special reason for attending the hockey game in Detroit on January 6 when the Michigan College Stars played a visiting Russian team. Their son, Dick, a four-year student in Business Administration, was one of the eight stars chosen from the Michigan team to oppose the Russians.

Dick plays left wing, and spent his Christmas holidays playing a three game series in inter-college competition in Boston and Troy, New York. Needless to say, Dick and his team-mates won both series.

Our heartiest best wishes to: Beverly M. Gillatly, stenographer, and Douglas A. Wilson, who were married on October 4 in the United Church at Wyoming, Ontario; and to Marlene Jo-Ann Sones (Order and Billing Department), and Robert Gladwish, who were married in the Devine Street United Church, Sarnia, on November 8.

Several new arrivals this time. Congratulations to William McLean (Dept. 2) and Mrs. McLean, on the birth of their son, Lawrence William, on Sept. 24; to Paul Bedard (Dept. 2) and Mrs. Bedard on the birth of their daughter, Marie Blanche, on Oct. 7; to Martin Roth (Dept. 15) and Mrs. Roth on the birth of their son, John, on Oct. 5; to Ron Dagg (Sales) and Mrs. Dagg for their daughter, Susan Delores, born Nov. 10; to Peter Krywicki (Dept. 9) and Mrs. Krywicki, for their daughter, Katharine Jane, born Nov. 13; to Morris Lester (Dept. 5) and Mrs. Lester, on the birth of their daughter, Heather, on Nov. 17; and to Ross Helps (Dept. 2) and Mrs. Helps on the birth of their son, Daniel Ross, on Dec. 3.

Our deepest sympathy is extended to Marcel Jean (Dept. 8) and Mrs. Jean in the loss of their infant son, Maurice, who died on December 24, 1958; to Mrs. Elma Wheeler (Cost Dept.) in the death of her mother, Mrs. Alberta Dunlop, on October 26, 1958; and to Henry Hardy (Dept. 8) and Charles Hardy (Dept. 6) in the passing of their sister, Mrs. John McCreddie, on December 19, 1958.

December 22 marked the beginning of the Christmas festivities at Mueller, Limited when 19 of the 28 pensioners attended the annual turkey dinner held in the cafeteria at 12:30 P. M. Arriving earlier in the day, the pensioners were met and welcomed by G. W. Parker, O. E. Walker, R. J. Skippon, R. M. Nicolson, J. Milne, C. S. Browett, L. M. Coates, W. R. Brennan, Carl Smith, B. S. Sigurdson, Ebert Mueller, O. C. Spears and A. M. Reeve.

Following the dinner, R. J. Skippon, vice-president and factory manager, gave his official welcoming speech and invited the guests to tour the plant, especially the department in which they were employed. President G. W. Parker brought greetings from the Mueller, Limited executives and staff. His theme of reminiscence was introduced by Mr. Walker and Mr. Sigurdson. He also read greetings which had been received from some of the pensioners now residing in distant places. Those responsible for the din-

ner, which was convened by O. C. Spears, assisted by R. J. Bannister and Phyllis Turner, were Mrs. Lois Shortt and Mrs. Violet Henderson, table decorations; Mrs. Doris Smith, Mrs. Eerie Duggan, Mrs. Doris McLaughlin and Miss Margaret Connors, serving.

Sarnia Retiree Passes Away Nov. 5

Raefteld McIntyre, 553 Roosevelt Drive, died in St. Joseph's Hospital, Sarnia, November 5th, in his 69th year.

Son of the late Duncan and Sarah McIntyre of Forest where he was born, Mr. McIntyre moved to Sarnia at an early age. He joined the staff of Mueller, Limited in 1913 and served with the company until his retirement in 1946, at which time he was Vice-President and Works Manager.

Mr. McIntyre served the community in many capacities. He was a member of St. Andrew's Presbyterian Church and active on the Board of Session for over thirty years. He was a Past President of the Sarnia Chamber of Commerce and for several years acted in an advisory capacity to the Sarnia Board of Education as well as the Sarnia Board of Health.

Mr. McIntyre was a member of Tuscan Lodge No. 437 A.F. & A.M. and the Sarnia Golf Club.

He is survived by his wife, the former Laura V. Elmslie; one brother John, 168 Penrose St., Sarnia; two sisters, (Alma) Mrs. Gordon Rawlings of Detroit and (Irene) Mrs. Gordon Anderson of Forest.

Funeral services were held at the Stewart Funeral Home at 254 George St., Sarnia, on Saturday, November 8th at 2:00 P.M. with interment in Lakeview Cemetery.

MUELLER, LTD. EMPLOYEES

Mrs. Almeda M. Reeve is MAIN CONNECTIONS correspondent for your plant, and she has been doing an outstanding job in providing news of you and your activities. She could do a much better job with your co-operation. Why don't you designate yourself a departmental correspondent? Call Mrs. Reeve and tell her you want to help out. Then, once every three months, report to her any items of interest concerning your co-workers and their families. Be on the lookout for interesting photos, unusual hobbies and exciting vacation trips. Your help is badly needed, and will be appreciated by both Mrs. Reeve and the . . .

Editor

Bannister Purchasing Agent; Two Men Added to Staff

A promotion and two new men top the personnel news since the last issue of MAIN CONNECTIONS was mailed.

Mr. Robert J. Bannister, who joined Mueller, Limited in 1940, has been named Purchasing Agent, effective December 15, 1958. He joined the company as an inspector in the munitions division; and, early in 1942, he enlisted in the Royal Canadian Air Force as Engine Mechanic. Upon discharge in 1945, he returned to the Brass Machining Division.

In 1947, Bannister was transferred to the Engineering Division and was engaged in the time study program until 1952, when he moved to the Purchasing Department. In 1953, he was assigned to the Accounting Department.



R. J. BANNISTER

Mr. Bannister is a native of Point Edward, Ontario. He is married and the father of three children. His father, Allan W. Bannister, is Chief Inspector of Mueller, Ltd.

Mr. John Robert Willson joined the staff of Mueller, Limited on February 1 in the capacity of Assistant Comptroller and Office Manager. "Bob" is a native of London, and attended the University of Western Ontario. In 1952 he joined the staff of Clarkson, Gordon & Co., with whom he completed the necessary training requirements to obtain his Chartered Accountant Degree. Willson is married, has two children, and lives at 1010 McCaw Street.

The world is full of willing people; some willing to work, the rest willing to let them.

To find out who your closest friends are, try to borrow from them.

Hard work is an accumulation of easy things you didn't have time to do when you should have.



J. R. WILLSON

Mr. Ray Fletcher was recently appointed as sales representative in the metropolitan Toronto area, succeeding Mr. Hugh Morton.

Born and educated in Toronto Fletcher is a graduate of Upper Canada College. He is married and has one child, and the family resides in Toronto.

Fletcher is active in the Lions Club, and is extremely interested in work with boys. His favorite hobbies are hunting and fishing.

Fletcher has had wide experience in industrial production,



"There's one advantage in being married — you can't make a fool of yourself without knowing it!"

and has engaged in various phases of sales promotion throughout the province of Ontario.



RAY FLETCHER



A group of second year students from Ryerson Institute of Technology, Toronto, who are engaged in a three year course in gas technology, recently visited Mueller, Limited, for a demonstration of our

NO-BLO equipment. This is the first course of its kind offered in Canada. Upon completion of the training program, the young men will receive assignments in the gas industry.



Beverly M. Gillatly, stenographer at Mueller, Limited, and Douglas A. Wilson were married on October 4 in the United Church at Wyoming, Ontario.



Employees of J. W. Cain, Limited, contractors engaged in construction of gas transmission and distribution mains for gas utilities in south-western Ontario, recently attended a NO-BLO demonstration at Mueller, Limited.



Marlene Jo-Ann Sones, Order & Billing Dept., became the bride of Robert Gladwish on November 8 in the Devine Street United Church, Sarnia.



O. C. Spears, Personnel Manager of Mueller, Limited (left) and R. J. Skippon, Vice-President and Factory Manager, present a Christmas ham to pensioner Jacob Vollmer on December 22 in Sarnia.

IT'S AN OLD AMERICAN CUSTOM -



SARNIA IN PICTURES



Pictured above are Mr. and Mrs. Aylmer P. Smith, age 26, who have given up the comfort of Sarnia to serve as "Lay Ministers" to Indians on the Muskoka Reserve north of Sarnia. Mrs. Smith is the sister of Mrs. Erie Duggan of the Cost Dept. of Mueller, Limited. Our very best wishes go to this young couple who have so demonstrated their love of humanity. We wish them every success in their chosen work.



Nineteen of the twenty-eight Mueller, Limited pensioners gathered for a good Christmas dinner on December 22. Standing, left to right: R. Nesbit, W. Young, G. Scott, G. Oliver, W. Marshall, J. Vollmer,

C. Dodds, M. Miners, J. Aitchison, C. Brent, W. Topliff. Seated are: J. Keys, W. Baines, A. Muxlow, M. Firlotte, E. Mead, B. Prince, and W. Mellick.



A group of Sarnia school teachers visited us on Sarnia's fourth annual Business-Education Day. The purpose of the program is to increase the knowledge and understanding of teachers in the Canadian system of competitive enterprise.

Jets Fast, Comfortable and — Complicated!!

The time is 4:58 p.m. of a brisk afternoon early in 1959. The place is Los Angeles International Airport. And the occasion is the imminent takeoff of Trans World Airlines daily Boeing Jet flight 712 carrying 115 passengers nonstop to New York.

With clearance received from the tower, Captain Gordon Granger gives the signal, the four jet engines are started, and the big plane taxis away from the loading gate to the runway assigned for takeoff. Moments later after a final instrument check, the plane soars into the air out over the Pacific, makes its turn eastward and climbs toward cruising altitude for another four hour and 45 minute nonstop trip to New York International Airport.

Exactly what happened prior to this routine daily departure to insure the passengers a smooth and safe ride across the nation? And how do the procedures of jet flight 712 vary from those of today's nonstop transcontinental Jetstream flight 90 for instance?

Eight hours before flight 712 was scheduled to leave Los Angeles, TWA's New York flight dispatcher routinely checked flight fuel requirements to determine if any load problems were likely. The latest weather map disclosed a low pressure system over South Carolina intensifying and moving in a northeasterly direction. Rain, low ceilings and restricted visibilities had already spread as

far up the coast as Norfolk, Va. Rain was scheduled to begin at New York at 8:00 p.m. (edt) with ceiling and visibility lowering. The best approved jet alternate field was determined to be Dayton, Ohio.

Because of the expected adverse weather at destination and the need for such a distant alternate, unusually high fuel reserves were called for. Thus the flight dispatcher blocked the flight to 25,000 pounds of payload, cutting the maximum passenger load from 130 to 115 and mail to 2,000 pounds.

Three hours prior to departure the New York dispatcher released the flight out of Los Angeles. Under the terms of his release the flight should arrive over New York with 30,000 pounds of fuel using Dayton as alternate. Trip fuel required was 55,600 pounds, thus necessitating total fuel of 85,600 pounds or 13,200 gallons and 6,000 pounds of water that was to be used during the takeoff roll and initial climb.

Two hours prior to scheduled departure, the Winds Analysis Unit sent the flight plan along the minimum time route at the optimum altitude. This plan, the result of a conference among the regional meteorologists, Wind Analysis Unit, and regional flight dispatchers, called for the flight to be made over Albuquerque, Tulsa, and St. Louis to New York at an altitude of 31,000 feet in four hours and 45 minutes.

This brief synopsis of flight preparations may sound similar to present day piston-engine planning, but there are many differences in operating procedures and flight characteristics, as the TWA crewmembers now undergoing jet indoctrination can testify.

First of all the crew on flight 712 will encounter a new concept of flight planning. After reviewing the weather and preliminary flight planning by the flight dispatcher, they will prepare a brief flight plan with no intermediate points based on optimum altitude and track, using forecast winds and temperature. They must determine how much they can afford to deviate from this plan because of possible ATC congestion.

In general the crew's objective will be to fly as high as possible and still maintain the desirable airspeed using maximum cruise power. Fuel reserves will be calculated in the same manner they are today. However, they must be carefully planned to avoid cutting into the payload unnecessarily.

Another procedural change will be the elimination of the indefinite holding period with engines running at the end of the runway. (The Boeing will burn 4,400 pounds of fuel per hour with the engines idling on the ground). The plane will remain at the gate until 15 minutes before expected takeoff clearance time.

When taxi clearance has been received the Boeing will be taxied out with four engines running. When the pilot receives his enroute clearance, he must be prepared to decide immediately if he can accept the clearance offered if it calls for an altitude or track other than the optimum plan filed. The jet must have an uninterrupted climb to altitude.

There will be no engine runup and the power check will be made at the start of the takeoff. Biggest takeoff differences between the Boeing and piston aircraft are the longer ground run, the lighter lift-off speed and the smoother engine operation.

The Boeing will climb to 10,000 feet in seven minutes for an average rate of climb of 1,450 feet per minute and to 31,000 feet in 30 minutes. Cruising altitudes range between 25,000 and 40,000 feet at an average speed of 560 miles an hour or top speed of 600 miles per hour. Cabin pressure averages 4,000 feet above sea level. Fuel consumption at these conditions is about 12,000 pounds per hour.

Assisting the pilot will be the newest version of the Pioneer Auto-Pilot complete with automatic approach coupler, as well as the Pioneer "300" series flight director system designed to aid in a manual ILS approach.

Engine power controls, engine instrumentation and emergency firecontrols are located forward so they will always be available to each crew member should one of their number be away from his station. This arrangement is practical because of the fewer controls on the jet. (At least eleven piston aircraft controls concerned primarily with propellers are, of course, not needed by the Boeing Jet.)

Meanwhile, our hypothetical TWA Boeing Jet flight 712 is cruising at 31,000 feet over Dayton at a ground speed of 634 miles per hour with an outside air temperature of -52 degrees Fahrenheit. A message from New York flight dispatch indicates that Idlewild weather on arrival will be overcast with light rain and fog, a 300 foot ceiling and one mile visibility. Air traffic delays will run from 30 to 45 minutes. Because the precipitation had not spread as far west as expected, Pittsburgh will remain above alternate weather.

Today, New York flight dispatch would draft this message, turn it over to a teletype operator for relay to Indianapolis where it would be handed to the radio operator for transmission to the pilot. The whole process takes from 5 to 20 minutes. If the pilot desires further information, this process must be repeated.

Should 20 minutes or more be required to effect this communication, Boeing flight 712 will have progressed from Dayton to Pittsburgh. It is obvious that a faster communication system must be developed.

TWA plans to institute a system known as SEL Call, enabling the company to make direct radio-telephone contact with any jet flight by pushing a series of buttons which initiate a transmission of tones.

The aircraft's radio-telephone equipment has been pretuned to this series of tones. Thus a flashing light and chimes are activated in the cockpit informing the pilot of a call. He switches on his phone and a direct conversation follows. This system will free the pilot from continuous aural monitoring of the TWA frequency.

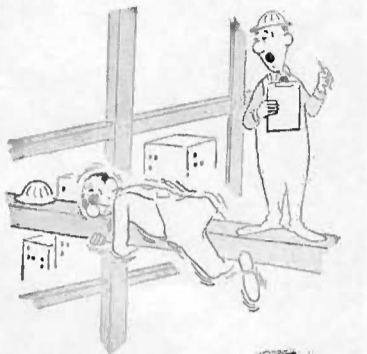
Based on the information from New York dispatch and a recheck of fuel on board, Captain Granger decides to proceed to Idlewild with Pittsburgh as alternate. This change in alternates from Dayton to Pittsburgh will increase the flight's allowable holding time from 20 to 59 minutes. Remaining fuel will also permit a missed approach at Idlewild and a return to Pittsburgh for landing if necessary.

After a brief ATC hold over Idlewild, Captain Granger lands flight 712 with a gross weight of 172,000 pounds requiring a runway length of 6,500 feet. Another routine TWA transcontinental jet flight has been completed in just four hours and 45 minutes.

Smooth, speedy, comfortable TWA Boeing Jet schedules such as flight 712 will be spanning the nation before another summer rolls around. And soon afterward the furthestmost overseas points on TWA's 48,000 miles of routes will be less than half a day away by regularly scheduled jet flights.



"Watkins, don't you think you're carrying this office politics a little too far?"



"You the new man?"



"No! No! The name is Golbick!"

Answers From Crossword Puzzle Appearing On Page 4

VOTE	SUFFRAGE
IDOL	ELECTION
CITIZENS	SLAV
ENE	ORATE
FOS	AGE
POLLS	ONSET
ATCO	DUTY
WOMEN	SOBER
SIC	POW
BAR	LOCAL
ALAS	AUTONOMY
REGISTER	SONS
EXERCISE	FREE



This truck rolled into Decatur during the early hours one morning the week before Christmas to bring the gift hams and bacon which were then distributed to employees and retirees of the Company.

BULK RATE
U. S. POSTAGE
PAID
DECATUR, ILLINOIS
Permit No. 1

NOTICE TO POSTMASTER
If for any reason delivery is impossible please return promptly to sender.
If forwarded to a new address, notify sender on FORM 3547. Postage for notice or return guaranteed.
MUELLER CO., DECATUR, ILLINOIS