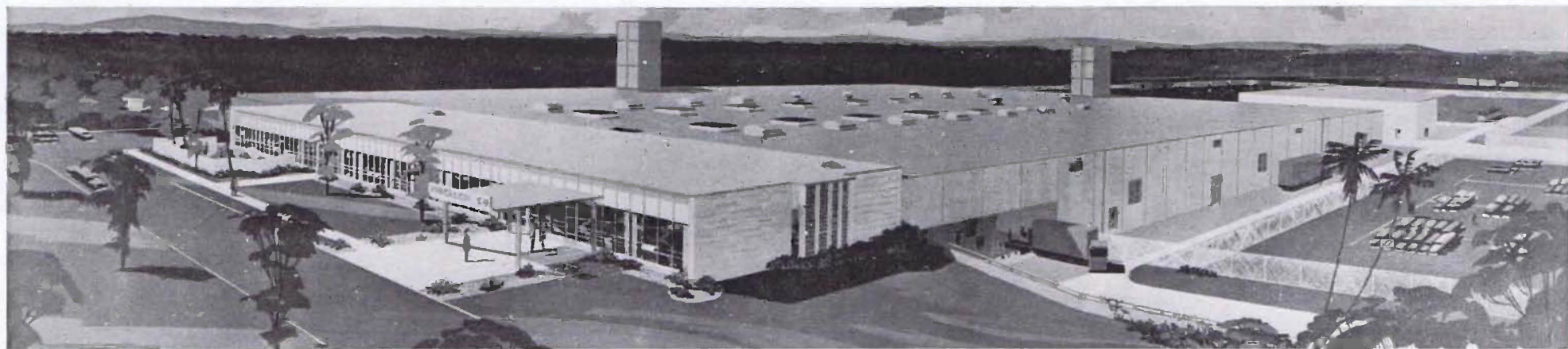
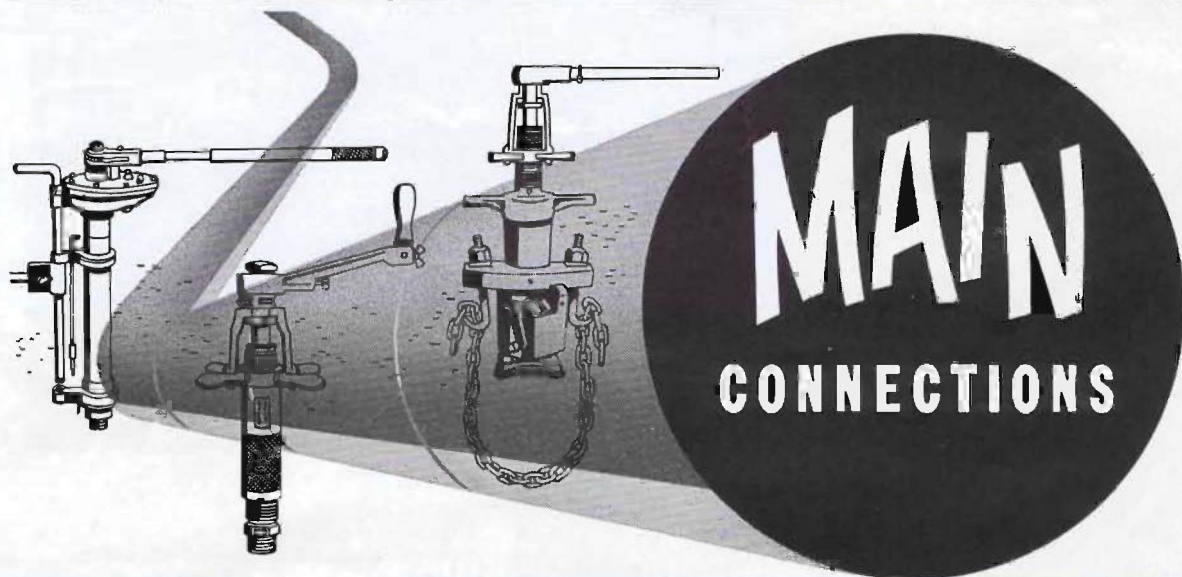


Oct 1962



Architect's sketch of Mueller Co. plant under construction in California.

Construction Begins On California Plant



PUBLISHED BY MUELLER CO., DECATUR, ILLINOIS • OCTOBER, 1962

Jim M. Milligan, Editor

Joe Penne, Assistant Editor

First Since 1870

Court Revamp Pending

On November 6, 1962, Illinois voters will have the opportunity to either approve or reject a proposed amendment to the Judicial Article of the Illinois Constitution. If passed, this would be the first major overhaul of the court system since the adoption of the present Constitution in 1870.

We do not propose to go into detail here regarding the detailed provisions of the proposed amendment. This article will attempt only to point out a few of the arguments, both pro and con, on the issue. We will place the most emphasis on how Mueller employees in Decatur can be affected.

Backers of the amendment point out the simplification of the court system. If YOU wish to bring suit, or if someone sues you, under the present system such suit could begin in a Justice of the Peace Court, be appealed to the County Court, be

appealed to the Appellate Court, and be appealed finally to the Supreme Court. If YOU are the defendant in such a case, you are forced into extensive court costs, which costs become higher with each new appeal. Under the proposed amendment, only one trial court—the Circuit Court—will exist in each judicial circuit. With only a few exceptions, a decision of the Circuit Court may be appealed only to one higher court—the Appellate Court. The present considerable number of courts in the State would be replaced with only three—a Circuit Court in every County, an Appellate Court organization in 5 districts, and a Supreme Court.

Backers also emphasize that the amendment provides for administrative direction. The Supreme Court would be given general administrative authority over all the courts. There is presently no such direction. This lack of direction causes courts to fall behind in their work. This could affect YOU by delaying your case and causing such delay to be financially harmful to you. The Bill of Rights of the Illinois Constitution states that "Every person ought . . . to obtain, by law, right and justice freely and without being obliged to purchase it, completely and without denial, promptly and without delay." By providing for administrative direction, the proposed amendment is expected to allow YOU justice ". . . promptly and without delay."

Proponents say the amendment will adjust the jurisdiction of the Supreme Court to modern conditions. With most appeals ending in the Appellate Court, the Supreme Court may devote

In Decatur

Expansion 90 Per Cent Completed

The Mueller expansion in Decatur is about 90 per cent complete and is expected to be finished about the end of February.

Product shipments are expected to begin flowing from the new shipping dock any day as workmen put the finishing touches on the truck parking and turn-around areas which total about an acre in size.

The new shipping facilities include seven loading doors for trucks (the old dock had two), an outside loading and unloading area where lift trucks can get beside railroad cars, and an inside door for lift trucks to drive in and out of railroad cars.

The 10-inch thick roof on the warehouse-manufacturing building is complete and the masonry work is about finished.

About 1.75 miles of welded piping, ranging in size from three-quarters to four inches, have been installed in the three-lane ramp that leads to the 450-car parking lot on the roof of the warehouse-manufacturing building.

This pipe network will circulate 317 gallons of anti-freeze and a like amount of warm water through the surface of the ramp, heating it so that it will be free of snow and ice.

The ramp, 223-feet long, rises at a rate of more than 12 per cent and is 30-feet higher than the street when it reaches the roof.

Actual Building Is Climax To Many Months of Planning

Ground was broken Sept. 25 and most of the grading is now completed as construction gets underway for the new Mueller Co. plant on the west coast.

Workmen are now setting forms and pouring footings for the seven-month-long construction project.

This construction period is the climax of many months of preparatory work that preceded the actual building of the 170,000-square foot office, plant, and iron foundry.

Nearly two years of planning, analysis of sales potentials, and population trends were studied; factory capacities necessary for meeting projected sales were reviewed, and sites were sought and checked before any final action was taken.

According to Jackson Kemper, Mueller Co. Executive Vice President, many details had to be checked and analyzed before even initial plans could be drafted.

"In a project as large as this, we must consider everything from parking to the drainage of the land," he said.

Mr. Kemper said that Brea, a community of about 8,000 persons about 30 miles south of downtown Los Angeles, was selected because we felt it best suited the company's needs.

He said the new location is near a network of major highways which makes it accessible to employees and shippers. A railroad siding is also available on the site.

The plant is in a fast growing area, and it is capable of supplying the expanding Western Sales Section's markets. "In an effort to better supply these western markets we are expanding our facilities to include an iron foundry," Mr. Kemper said.

"In order to better serve our customers, we had to get some elbow room to expand our facilities; but expansion in our present location was impossible because we were completely surrounded by other industries," he added.



FRANK C. HACKMAN

Hackman To New Position

Frank C. Hackman has been named Manager of Manufacturing Engineering for Mueller Co. The appointment was effective in mid-September.

Since the first of the year he has been Manufacturing Consultant in addition to his duties as Assistant Plant Manager at Chattanooga. The new position extends these advisory duties to full time.

Mr. Hackman will be available for special assignment to all Mueller Co. plants and will assist and advise local managers in particular manufacturing problems and situations.

He will be directly responsible to Frank A. Speer, Vice President for Manufacturing, as part of the Headquarters Manufacturing Staff.

The position of Assistant Plant Manager at Chattanooga vacated by Mr. Hackman, will not be filled, according to Mr. Speer.

Mr. Hackman joined Mueller Co. in Decatur in 1937 and left the company from 1955 to 1959. In March, 1959 he rejoined the company and was named Assistant Plant Manager at Chattanooga.

Growing Pains Hampered LA

The history of Mueller Co. in Los Angeles has been one filled with exceptional growth.

In 1933 when the first building was erected, Mueller Co. was surrounded by acres of open land. In two decades the Mueller property was hemmed in on all sides as the Los Angeles area registered phenomenal growth.

The original building had about 25,000 square feet, but in only two years this became inadequate and 12,000 square feet were added.

When the war came along and drop forges were added, space had to be added. After the war, our forces switched to producing steel tees that previously had been made from welded pipe.

With an increase in production in tees, there came the need for another building and in 1948 Mueller added 14,000 square feet.

New Mueller Office Cited

Mueller Co. recently received an award from the Decatur Association of Commerce in recognition of design and construction excellence in the company's new office.

The award was part of the association's annual building review program which includes citations for builders, owners, or remodelers in various categories for excellence in construction during the past year.

Frank H. Mueller, Vice President for Engineering, accepted the award on behalf of the company. The award, in the form of a plaque, is displayed in the lobby of the new office.

(Con't. on Page 2)

(Photos on Page 8)

(Con't. on Page 2)



Martin Trolia (top, left) eyes his target as Jim Putnam, shooting for a spare, hits a striking pose (center). Benny Taylor (above) chalks up a strike for a teammate. Pete Workman (lower, left) uses a little extra to keep his ball heading for the pocket. At the left, are last year's champs who are back to defend their title. Members of the Tool Engineers team are: seated from left, Dale Wilkins, Paul Hawbaker and Buddy Grossman. Standing from the left: Carl Hill, Bert Flaughter and Dale Reidelberger.

(Con't. from Page 1)

its time to supervising the entire court system, and hearing those cases which could be of importance to all of the citizens of the State. The amendment would eliminate the necessity of the Supreme Court hearing minor, routine cases unless the Supreme Court asks to hear them.

Proponents argue that the amendment strengthens the Appellate Court. Presently, if you elect an excellent Circuit Court Judge, he may be chosen by the Supreme Court to spend part of his time acting as an Appellate Judge. This means that he is not free to provide YOU with the service for which you elected him. This could cause a serious backlog of cases to be heard by your Circuit Court. YOUR case could be one of those.

Backers state that the amendment would provide more equitable apportionment of Supreme Court Districts according to population. The State will be divided into five judicial districts for the election of Supreme Court justices. Cook County will be one such district; downstate Illinois will be divided into four others. There will be seven Justices—three elected in Cook County and four downstate. Proponents argue that this is only fair, since more than 50% of the population of Illinois is located in Cook County.

These proponents also favor the amendment because it lessens the dependence of judges upon political parties for their

tenure in office. Judges of all courts will be nominated and elected in the first instance as they are presently elected; but once elected, each judge will be entitled at the expiration of his term to run for re-election solely on his record, without opposition and without party support. Thus, a judge is freed from dependence on party politics. As a voter, YOU will have a greater voice in the election of judges because of the requirement that they be voted on at general elections, when the largest number of people vote, rather than at special judicial elections.

To summarize the case of those who favor passage of the proposed amendment: YOU, as a citizen of Illinois, will be given access to the proper courts for consideration of your problems; YOU will be assured of prompt court action, thus reducing your legal expense; and YOU will have the opportunity to continue a good judge in office without regard for his political affiliation, as well as the right to remove, or deny re-election to, a judge who is thought to be incompetent.

Those who oppose the amendment argue that the cost of the new court system would greatly increase the cost to every taxpayer, whether or not he uses the courts; that the amendment will bring no relief to Cook County, which currently suffers a staggering backlog of cases; that the proposed amendment would abolish local courts which are specifically designed to operate inexpensively, speedily and

with a minimum of legal technicalities; that the method for selection of judges removes the voter's opportunity to choose between two candidates for judge; that the proposed amendment gives Cook County complete domination of the court system; and that the amendment would destroy the poor man's right of appeal.

Opponents would summarize their stand by stating that the proposed amendment would make radical changes in our judicial system, based on theory and not on experience. The proposal wholly ignores the statutes enacted in the last two sessions of the General Assembly to improve the court system by eliminating the fee system in Justice of the Peace Courts and by providing a system of court administration. The proposed amendment would write a great amount of detail into the rigid framework of our Constitution; experience demonstrates how unwise it is to fasten details on to future generations within a Constitution.

Orville Hawkins Dies

Orville J. Hawkins, 70, a 41-year employee of Mueller Co., died recently in Decatur. He began with the company in 1911 as a stenographer and time clerk in the factory. While holding one position in the regulator division, he contributed to the development of several products. He served as purchasing agent with the company from 1938 through 1952.

YOU have received information on the proposed amendment from the Macon County Clerk.

The proposed amendment has been endorsed by both major political parties, so it is not a political issue. You are urged to fully inform yourselves of both sides of the question, and cast your ballot on November 6.

(Con't. from Page 1)

In 1955 the available property pinch was felt stronger than ever before when the company had to purchase the building, dock and storage area of a neighbor. This added 18,000 square feet to our shipping and storage facilities.

In less than 30 years about 50,000 square feet were added to the original 25,000 square feet but still facilities were inadequate and the present move and expansion were undertaken.

Three employees who started production in the present plant are still with us. The charter members are: Fire Chief Roy Thomas, who was our first foundry foreman; Receiving Clerk Charles Portee, who was head polisher for many years, and Bill Michl, who is now in the Steel Machine Shop Tool Crib.

Another worker, Bill Jacob of Tool and Die, should qualify as one who "started" the plant. He worked in the first factory building as a millwright before production got underway. After all the machinery was set he left for another job, but after about six weeks he returned to work for Mueller Co.

Pattern Shop Leads Mueller Bowling Loop

The Pattern Shop continued to hold on to first place in the Mueller Bowling League but it is a tight race for the next five positions.

The Tool Engineers team, last year's winner, is currently in fourth place but only a couple of points behind the Brass Finishers and the Specialty Division.

The standings after 27 games are:

Team	Won	Lost
Pattern Shop	19	8
Brass Finishers	16	11
Specialty	16	11
Tool Engineers	15	12
Works Mgrs.	14	13
Iron Shop	14	13
Product Engrs.	12	15
Ground Key	11	16
Plant 4	10	17
Main Office	8	19

Dale Wilkins, Tool Engineers, has the top three-games series so far this season. Dale rolled a 625 series with a high game of 232. Dale Reidelberger, a teammate of Dale's, rolled a 622 series, with a high game of 233, to be in second place.

Dale Reidelberger leads the league with a 183 average. The lead has bounced back and forth between Dale and Benny Taylor (Ground Key). Benny is rolling along at a 182 clip, followed by Marvin Davis with a 180 and Gene Gibbs with a 178 average.



Three members of the winning Pattern Shop team are shown during the Mueller Co. Golf League playoffs. Jim Fleckenstein (above) blasts out of a sand trap as Larry Phillippo watches a fairway shot head for the green. Charley Monroe (right) eyes a putt.

John Smith Wins Play Day Honors

John Smith (The Engineer) took first place honors and trophy at the Mueller Co. golf play day at South Side Country Club.

John had a 70 net score to edge out Larry Phillippo who took second place with a 71.

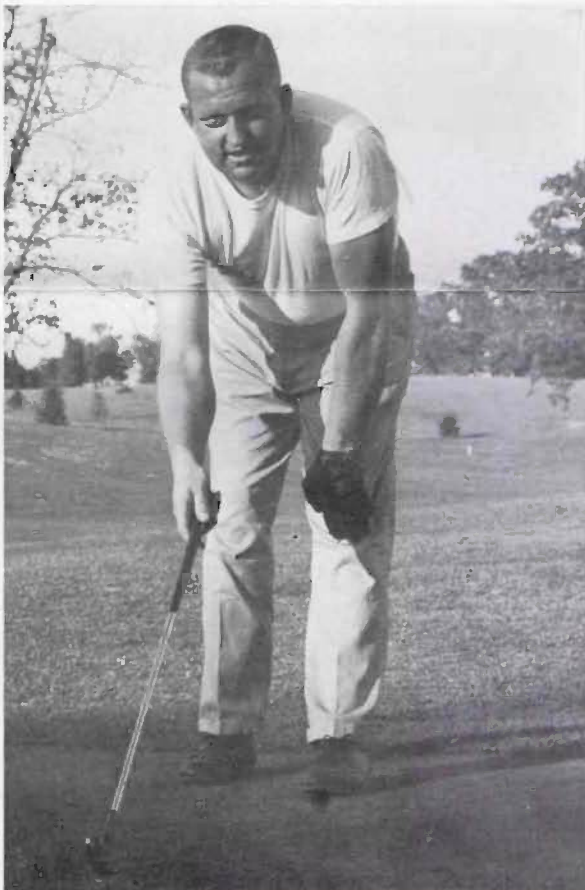
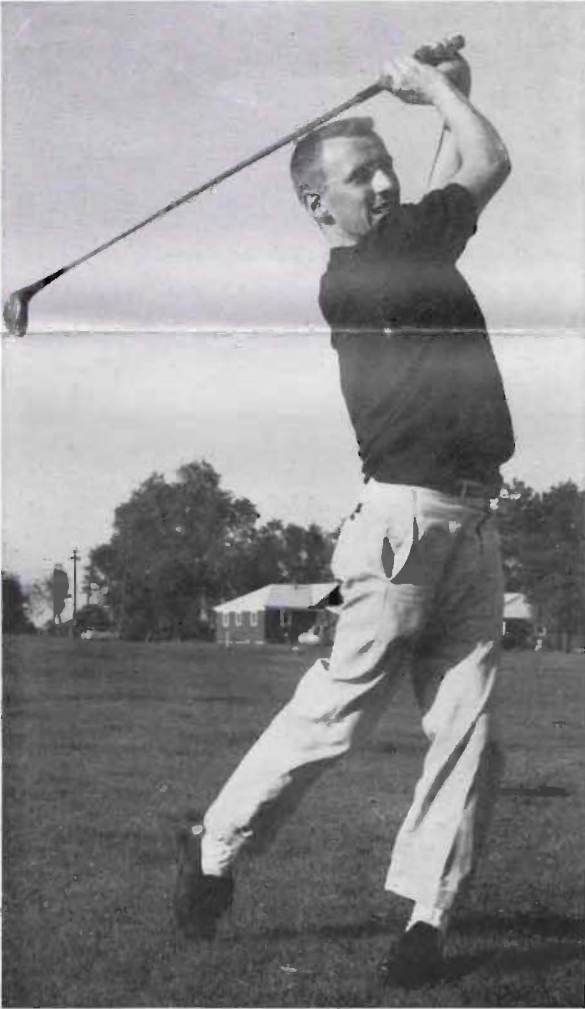
This is the third trophy won by Larry this year.

He won first place at the play day at Mahomet in July and was also a member of the Pattern Shop team which took the first round championship.

Maury Sefton won the "Hot-shot" trophy because he was nearest the pin on his tee shot on the second hole.

Larry Luckenbill received a special award for being the best dressed golfer of the day. He received a special pair of golf socks. Special in that there was a "Hole In One."

Lefty Ollie Fortschneider and "Podnar" Jack Bain are looking for a higher court to appeal their loss to Frank Kellet and Del Parks. Del and Frank contend that there is nothing wrong in directing their opponents to the wrong green even if the opposing team has never played the course.



Pattern Shop Golfers Edge Test Lab for League Title

The Pattern Shop golf team edged out the Test Lab team, 4-2, to win the Mueller Co. Golf League playoffs.

The Pattern Shop won the first round while the Test Lab squeezed past the T-Squares by a half-point to take the second half championship.

The second half was a close race all the way through with the greatest lead by a first-place team only 1 1/2 points. At mid-way only four points separated first place and last place.

Toward the end of the second round, Test Lab lost a two-week hold on first and the T-Squares, last year's champs, slipped into the lead for two weeks.

On the last night of regular play the T-Squares held a half-point advantage but had trouble

with the Research Engineers and slipped back.

Members of the Test Lab team are: Larry Bundy, Gene Hurlinger, Capt. Ed Turner and Vern Ramsey.

Members of the Pattern Shop are: Charley Monroe, Larry Phillippo, Jim Fleckenstein, Verlyn Burnett, Capt. Jim Keown and Pete Workman.

Final Standings

Team	Points
Test Lab	30 1/2
T-Squares	30
Tool Room	29
Foundry	28 1/2
Research Engr.	27 1/2
Pattern Shop	27
Plant 4	25
Sales	25
Product Engr.	24 1/2
Standards	19 1/2



Linda Ann Misenheimer recently graduated from Mercy Hospital School of Nursing in Urbana, Ill., and was named salutatorian of her class. She is the daughter of Mr. and Mrs. William Misenheimer. Her father works in Dept. 80 in Decatur.

Random Notes & Anecdotes

By Mary Lou Wheatley



Larry Bayless is back at his drawing board in the Advertising and Sales Promotion Dept. after nearly a year in service. Larry's reserve unit was called to active duty as part of the build-up over the Berlin crisis. Larry spent most of his time at Fort Knox, Ky.

* * *

Don Ferry, Head Products Draftsman, is in the process of building a float boat. It won't be launched until spring; however, some friends decided to help him name it and have suggested some 20 names, such as Thelma (his wife's name), Amleht (Thelma backwards), The Willymakit, Donald's Ark, etc. Thelma will pick the name later and a ride will be given the person suggesting the selected name.

* * *

Augie Rauschek probably took the shortest vacation of the year. When asked where he went, he replied he went 2,382 feet. Apparently he left the plant, went home and stayed there. True, most people talk in miles, but maybe Augie has the right idea for a vacation.

* * *

The Hugh L. Bakers recently returned from a vacation to Chattanooga, and Durham, N. C. Their daughter, Sally, remained in Durham where she is enrolled as a freshman at Duke University.

* * *

Miss Lucille Dial and David Shasteen were married recently in the Riverside Baptist Church in Decatur. The bride is a graduate of Passavant School of Nursing at Illinois College and is a surgical technician at St. Mary's Hospital in Decatur. The groom is employed at Taystee Bakery. He is the son of Wilbur Shasteen, who works in the Experimental Dept.

* * *

The wedding of Miss Elaine Keck and Larry Gibbs took place recently in the First Evangelical Lutheran Church in Decatur. The groom is the son of Eugene Gibbs (Dept. 90). The couple are living in Peoria where the bride works as a draftsman with an engineering firm. Larry is a junior at Bradley University.

* * *

Jim Cussins and family spent their vacation visiting many of the historical sights of the east. They went to Gettysburg, Lexington, Va., Williamsburg, Richmond, Washington, D. C., Philadelphia, up the Hudson River, Plymouth Rock, Boston and Niagara Falls, to name some of the high spots.

* * *

The Marvin Spitzer and Harold Ashcraft families spent their vacations out west, camping all the way. Most of their time was spent around Silverton, Colo., but they made a side trip to Grand Canyon. Marvin reports his six-month-old daughter, Diana Lee, was the best camper of the bunch but she didn't do much trout fishing or horesback riding. The temperatures were in the 30's every night, Marv said.

This summer the Decatur Assn. of Commerce and Board of Realtors cited homeowners and companies for outstanding lawn care. Many homeowners received a large Old English "B" (for beauty) to be displayed in their windows, which showed they were recipients of the citation by the two groups. Some of Charley Moore's co-workers didn't want him to feel slighted so the more artistic and poetic presented Charley with his "D" (for dandelions). The award read like this:

"D" if for dandelion, green, yellow and white.

In some yards a nuisance; to this one a delight.

When pampered and nurtured and watered with care

A gorgeous expanse of bright colors there.



The neighbors all love these sweet flowers so gay;

The owner is proud these folks feel this way.

His labor has given each plant a deep root—

And he was awarded a big "D" to boot.

* * *

Jim Putnam, Catalog Dept., recently won 4th place in the Philatelic Exhibition at the 1962 Illinois State Fair. His exhibit "Bridges on Stamps," displays stamps from all over the world which picture bridges in their respective countries. The stamps are mounted on a white card for each country and then Jim has reproduced, by a line drawing, the bridge that is pictured on the stamp being displayed. Last year this same exhibit won a first in another division.

* * *

Merline Hartness, bowling with the Mueller Co. women's team, picked up a 6-7-10 split in her third week of league bowling. Congratulations, Merline, I know a few people who would like to do the same. Merline works in Finished Stock Control.

* * *

Robert Tauber is very pleased with his sixth grandchild. He was born on Friday the 13th, but the "Luck o' the Irish" should prevail with a name like Terrance Patrick McNamara.

* * *

Lewis Bland, Engineering Division Test Lab Operator, is a grandfather for the second time. The latest one, a girl named Diane Louise, weighed 6 lbs., 14 ozs. and is the daughter of Mr. and Mrs. Ernest Freitag who already have a son.

4 Personnel Changes Made

Four personnel changes have taken place in the Manufacturing Division in Decatur.

Joe Yonker, who had worked in the Dispatch Office in the Shipping Room, was promoted to Warehouse and Shipping Room Foreman.

Chuck Girard, who had been Shipping and Warehouse Foreman, was transferred to the Standards Dept. as a Time Study Engineer.

Stan Ashby, former Foreman of the Service Dept. at Plant 4, has been transferred to the Cleaning and Grinding Section of the Brass Foundry as Foreman.

Irv Keller, who has been Assistant Foreman in the Shipping and Warehouse Section, succeeds Stan Ashby as Service Dept. Foreman.

Plant 4 News

By Jennie McDaniel

Paul Parsons and Ollie Fortschneider were guests of the Chicago Chapter of the American Foundry Society recently and played golf at Nordic Hills Country Club in Chicago. Paul is Production Control Manager at Plant 4 and Ollie is Pattern Shop Foreman.

* * *

Clay Ramsey and Chuck Schroeder had a recent fishing trip to Wisconsin and they reported their usual luck. Draw your own conclusions!

* * *

Shirl and Fedora Tish spent a weekend touring southern Illinois, Kentucky and Indiana. Shirl is in Dept. 60 and Fedora works in Dept. 50.

MUELLER, LIMITED Reports

by PHYLLIS TURNER



There were three weddings recently in the Mueller, Limited family of employees.

Alan James Browett, son of Charles S. Browett, and Marilyn Joyce Clarkson were married recently in Sarnia's Grace United Church. After their wedding trip to Northern Ontario, the newly weds took up residence in Windsor, Ontario where the groom is enrolled at Assumption University. The father of the groom is Secretary, Assistant Treasurer and Plant Controller.

Joyce Yvonne Coates, daughter of L. Merlin Coates, Factory Manager, was married recently to Terry Blane Lyon. The Rev. H. C. Coates of Decatur, officiated at the marriage of his granddaughter in the Free Methodist Church in Sarnia. After their wedding trip to northern Michigan, they made their home in North Chili, N. Y.

Barbara Lynne Eady, daughter of Inspector William Eady, was married recently to John Michael Viglasky in St. Paul's United Church. The couple went to New York for their wedding trip, and are now living in Sarnia.

* * *

James A. Ayres, son of Joseph Ayres, Plating Dept., recently completed final examinations of the Canadian Institute of Chartered Accounts. Jim is working in Toronto with the accounting firm of Fred Page Higgins and Company.

* * *

On Aug. 28, a brave and hardy band of Mueller, Limited employees went down river to

Corunna to try their hands at water sports. Garnet Denomey, a former Canadian champion water skier, was chief instructor for the nervous novices. Gil Murray and Garnet brought their boats and skis, and ferried the 20 daring members to Stag Island in the St. Clair River. Harry Dowding was the first to mount the blades, and took off down river hitting the drink on the first turn. Don Thain got up before he went down. Then in rapid order the splashing herd went forward by ones and twos to try the skis and the sport. Mike Freund and Bob McDonald went up duals, and the singles were tried by Dave Olsen, Morris Simard, Ralph Twomey, Don Chalmers and Ken Perdeaux. Martin Roth, gallant to the last, succeeded only in dredging the river bottom. Murray Taylor, Mike Scott and Dick James provided the spectator appeal to the end. Ian Milne ended the sport with a breath-stopping display on the round board.

* * *

The St. Clair River also provided a setting for a beautiful four-hour moonlight cruise on the S. S. Aquarama by a group of employees. The luxurious pleasure craft, nine decks high and a block long, had the fashionable setting and activities of a floating country club and a county fair midway. Activities included dancing on three decks, two theaters, music, night club entertainment, and deck games.

* * *

Our sincere sympathy is extended to the following employees and their families on the passing of their loved ones:

- Barbara Dobroski in the loss of her father.
- Walter Stevens in the loss of his father.
- Marie Demeray in the loss of her mother.
- Ward Boyle in the loss of his father.
- Otto and Mrs. Foster in the loss of Mrs. Foster's mother.

* * *

Congratulations to the following mums and dads who have received little ones recently:

- Walter and Mrs. Zajda (Foundry), a son, Stanley Joseph.
- David and Mrs. Potter (Office), a daughter, Suzanne Leslie.
- Fred and Mrs. Hill (Shipping), a daughter, Debra Ann.
- Ted and Mrs. Grad (Dept. 3), a daughter, Hanna Frances.



Joyce Coates becomes Mrs. Terry Lyon.



Barbara Eady weds John Viglasky.



Mr. and Mrs. Alan James Browett

Accidents Spoil Holidays!

PRINTED IN U.S.A.
NATIONAL SAFETY COUNCIL



Sidelights & Highlights from Chattanooga

by Gene Racz

As usual we have a number of newcomers in the homes of our employees. J. B. and Betty Sheffield had to make room for twins, Christine Levette and Christopher Leslie. Jesse and Sandra Su King have a new daughter, Tarra Angela, and Allen and Wanda Sue Easterly also have a new daughter, Deborah Lynn.

Elmore England (Iron Foundry) and Dorothy Mae Pouncy were married recently in Lafayette, Ga. They are living at 650 E. 9th St. We wish every happiness for them.

The local sports car association had a rally and race recently and Draftsman Fred Orton won third place in his first race. He received a big trophy for his efforts and for the efforts of his Austin Healy. Fred said it was fun, but added that he would be willing to trade the trophy for a new set of tires.

Best wishes to James T. Nance and Freddie Elaine Hartsfield who were married recently in Wesley Chapel with the Rev. H. H. Wright officiating. James works in the Iron Foundry and his bride works at the Chattanooga Linen Supply.

Our sincere sympathy is extended to Lindsey Lawrence, Hood Longley and Raymond Dixon in the loss of their fathers.

It seems each time we have an issue, our news includes a story about an employee who has retired. This time is no exception. And this time we have Core Room Laborer Elmer Hughes who recently ended 43 years of service to the company. Elmer started in the Iron Foundry and worked there until late in 1944 when he was transferred to the Core Room. We wish many happy years of retirement for him.

One of the Mueller softball teams won its respective league championship and went on into the state tournament. The team, with a record of 16 wins and 5 losses, was paced by catcher Anderson Williams, who hit .293, and third baseman Reuben Smith, hitting at a .291 clip. Pitcher Joe Hubbard had a 5 and 1 won-lost record while Robert Burkes won 6 and lost 2 and Ernest Ross was 5 and 2 for the season.

Gennie Conner (Assembly), Eldridge Brock and Marvin Madden (Iron Foundry) have returned after spending a year on active military duty with the 308th Quartermaster Salvage Company. They were stationed at Fort Lee, Va., for the entire year.

Best wishes to Joe E. Martin and Nancy Ann Kelly who were married recently in the home of the groom in Jasper, Tenn., by the pastor of the Sequatchie Methodist Church. Joe works in the Assembly Dept. here and Nancy is employed at the Chattanooga Publishing Co. They are residing in Sequatchie Valley.

We learned recently that a retired employee, Otto Glass, had been hospitalized in Nashville, Tenn., for about two months but he is now at home. We want to wish him a speedy recovery.

Bettye Hodges (Sales) and Jacque Harris (Production Control) had an exciting vacation this year. They drove to Miami and then sailed on the U.S.S. Florida to Nassau in the Bahamas.

Joan Long (Production Control) spent her vacation at the World's Fair in Seattle and reported it was fabulous.

Wanda Glenn (Sales) also spent some time in the northwest and visited in Montana.

Mr. and Mrs. Homer Van Vleet plan to spend a few weeks driving to Springfield, Mass., where their son is stationed with the Strategic Air Command.



Members of the Mueller softball team are: (standing), Anderson Williams, William Willingham, Joe Hubbard, Reuben Smith, Richard Thurman and James Lackey. Kneeling with Larry Watson are Tony and Kenneth Smith, who worked as bat boys. They are the sons of Reuben Smith.



Heading the United Fund campaign for the Chattanooga plant were: (seated) William Joe Hixon, Ronald Reed and Coy Jones. Standing are: (from left) Eddie Fugate and Jack Moss.



Harold Brown, Safety Committeeman for Dept. 10 at Mueller, Limited, receives a Safety Award from L. M. Coates, Factory Manager, while his fellow workers look on. At the left Mr. Coates presents a similar award to Dept. 1 for going one year without a lost time accident. Accepting the award is Safety Committeeman John Evoy.

SERVICE AWARDS

DECATUR

5 Years: Stanley E. Metz, Thomas K. Hendrix*, Sam F. Parker*, Danny Nation, Walter H. Jenkins, William L. Colvis*, Leroy Lawson, John J. Zingale.

10 Years: Robert O. Ross, Joseph DeWilde, Jr., Robert L. Foster, Paul G. Tolbert, James M. Fleenor, James E. Walters, Jr., Gerald Myers, Paul D. Ater, Ralph L. Stevenson, Donald M. Rauch, Keith C. Meachum, Robert J. Cope*, Clifford M. Endsley, Kenneth L. Smith, Gerald E. Mahaffey, John F. DeClerck.

15 Years: Richard D. Medick*, Charles B. Workman, William K. Leake, Wilbur W. Shasteen, Albert G. Webber, Jr.

20 Years: Clifford W. Auer*, Ruth Wampler, Lewis H. Hamilton, C. David Isome, E. Robert Leake, Claude L. Stacey, R. Dale Streight, Elizabeth M. Tolladay, John W. Morrison, Leroy Ashby, Charles L. Brown, Edward W. Ellis, Harry Cruse, Floyd I. Curry.

25 Years: Clarence P. Albert, Creo E. Talley.

35 Years: Opal L. Jackson, Clure Lane, Gerald R. St. Pierre, Floyd E. Walton.

40 Years: Estelle G. Livergood, Matt Like.

SARNIA

5 Years: Kenneth Perdeaux.
15 Years: Douglas McKellar, Alphonse Migneault, Lawrence Smith, John Bazeley.

20 Years: Harold Brown, Helen Babcock, John Evoy, Anne Kruk, Joseph Ayres, Henry Jewitt, Gladys Green.
45 Years: Lile Short.



Judy Staudt (right, center) receives a gift from co-workers in the Manager after 40 years with the company. Making the presentation is Shipping, Warehouse and Traffic Dept. Judy retired recently as Traffic Manager, Joe Fleckenstein.

LOS ANGELES

5 Years: Paul Simms.

10 Years: Rose Marino, Hugh Brownridge.

15 Years: Alfred Hembree, David Garcia.

20 Years: John Hesselbach.

CHATTANOOGA

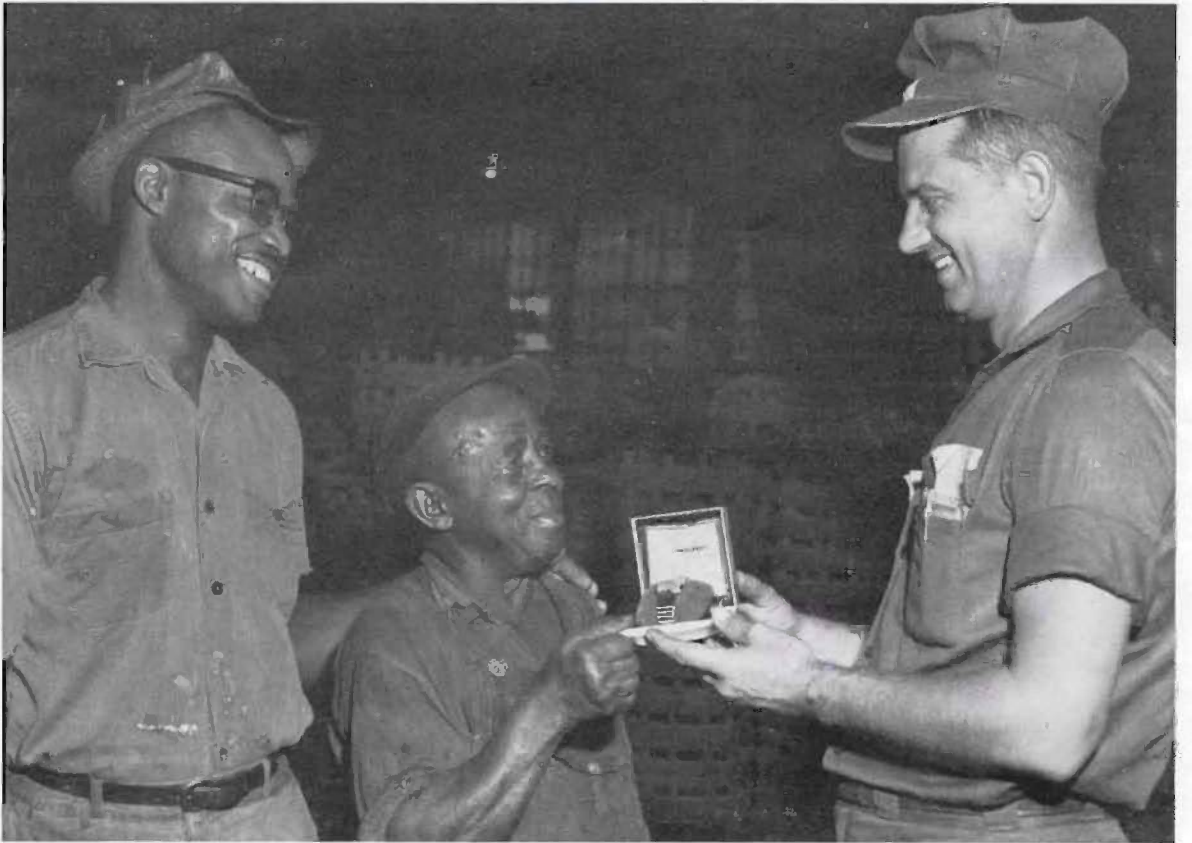
5 Years: Charles W. Akin, Rufus Appleberry, Samuel Bailey, William Clark, Buford H. Cole, Elige M. Dean, Willie R. Florence, Howard N. Freeman, Napoleon Goins, Fred G. Hamilton, William L. Headrick, Benjamin F. McKinley, Jesse R. Norton, James L. O'Neal, George W. Piper, Edward Reed, Jimmie L. Sanders, James Stewart, Cary Swan, Jr., Jacob A. Wardlaw, John N. White, George E. Woodruff.

10 Years: David C. Cullins, Willie M. Eberhardt, Harold G. Johnson, Oscar Fred Strawter.

15 Years: Clifford Kelly, Mitchell Robinson, Lewis M. White.

20 Years: Claude Howell, B. L. McClendon.

25 Years: Henry Williams.



Forty-three years of service with Mueller Co. ended recently as Elmer Hughes, Core Room Laborer, retired. He is flanked by Tomie Ashford (left) and

Core Room Foreman Hood Longley who presented Elmer with a gift from Elmer's co-workers.



A. L. Bethards retired recently after more than 37 years with Mueller Co. At the time of his retirement he was a Sand Muller Operator at Plant 4. Leland

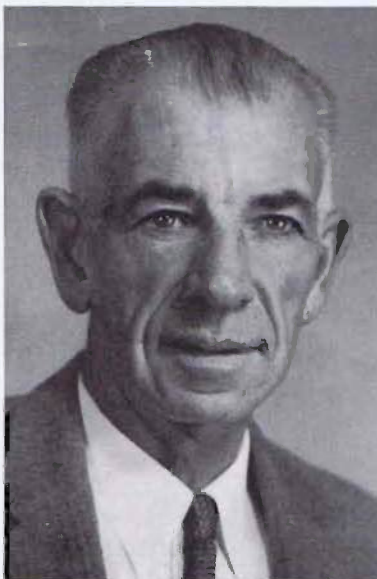
Hartwig, Brass Foundry Foreman (left), presents him with a gift from his co-workers.



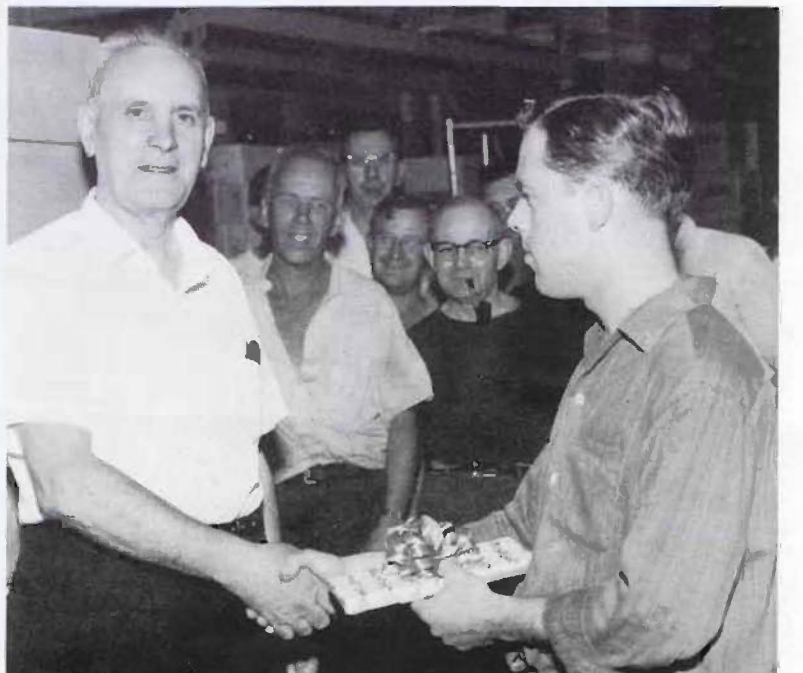
A 45-year service pin was presented recently to Lile Short (right) by George McAvity, Managing Director of Mueller, Limited. Lile is a Pattern Molder.



Ruth McKown, who has been a Core Cleaner and Inspector at Plant 4 for a number of years, retired recently. She receives a gift from Core Room Foreman Jack Bain who made the presentation in behalf of Ruth's co-workers.



FLOYD WALTON
Decatur
35 Years



Peter Smith (left) receives a retirement gift from Don Crooks, Foreman of Dept. 12 at Mueller, Limited.



MUELLER CO. in Los Angeles



By
Warren Wunderlich and Kathryn Thompson

Only two babies were born to Mueller Co. employees here since the last MAIN CONNECTIONS was published, but both of them have the same name—Donald Eugene. Our congratulations to Don Kelley (Sales) and his wife, and to Leroy Price (Brass Machine Shop) and his wife on their new sons.

Congratulations to Lillian Espy (Foundry) who has her first granddaughter after three chances.

Golda Shepard (Office) has a problem. She doesn't know whether to increase her fire insurance or get her son interested in a new hobby. Her son, Danny, has a chemistry set and from time-to-time he and a friend retire to the garage to work on experiments. Every time they are in their laboratory, Golda expects to hear an explosion and feel a concussion. Recently she heard and felt these things. This is it she thought as she ran to the window expecting to find the garage in shambles, but she found the two young chemists looking up in the sky for the plane that had gone through the sound barrier.

The south and the northwest seem to be the favorite spots for some of our vacationers.

Claude Beckham (Brass Machine Shop) recently returned from a trip that took him and his family up through the Redwood Forests, along the Oregon Coast, Vancouver Island and Victoria in Canada, then back through Seattle and Eastern Washington, Crater Lake, and then Mount Shasta in Northern California. Claude said there was so much beautiful scenery that he could not pick a "high point." A casual observer might pick out the Space Needle at the Seattle World's Fair as a "high point" on Claude's trip.

Barbara McGinty (Sales) and her family had a short but similar trip to that of the Beckhams. They went through San Francisco to Oregon, where they stopped at Crater Lake National Park, then north to Seattle and the Fair.

This must be the year for Mueller Los Angeles employees to go south. Two more of our people spent their vacations traveling in Dixie. Hugh Brownridge (Foundry) took his family back to Mississippi where he had lived until he joined the army at the age of 18.

Ralph Hall (Foundry) went back to Arkansas where he reported he had a fine time. Ralph is known for his stories about yellow watermelons from Arkansas, but we found out that these weren't stories when Ralph brought a yellow melon and shared it with us.

Inez Mooring (Sales) really got around. She visited Arkansas, the Gulf area, Washington, D.C. and New York and many members of her family. After going to her former home in Stuttgart, Ark., she went to New York City to see two of her sons. One son just finished his residency in pediatrics cardiology at Babies Hospital and another is Managing Editor of the College Text Book Dept. of McGraw-Hill Publishing Co.

Then she went near Washington to see another son, who is Technical Director of Prewitt Plastics Co. of Alexandria, Va. From there she went to the New Orleans area where she visited relatives and saw many of the sights in that area.

Our sympathy is extended to Gary Peterson (Assembly Dept. Polisher) in the loss of his mother.

Earl E. Bright, Plant Manager, and Eli Lockard, Plant Engineer, won the 36-hole golf tournament held recently.

Earl carded a 129 for the best low gross score while Eli came in with the lowest net score which was a 110.

Bruce Stotler, Production Superintendent, also received an award but someone was really giving him the needle by presenting him a compass. Apparently Bruce had a little trouble.

The next scores closest to Earl were carded by Bill Young who had a 130 and Jim Wolf who had a 131.

Jim Wolf with a 111 net was next lowest below Eli. Tied for third among the net totals were Bob Ward and Bill Young with 112's.

Bill Young, Foreman in the Assembly Dept., had the lowest handicap at the end of the Mueller "Divot Diggers" Golf League. Bill, with a nine handicap, led Bruce Stotler. Earl Bright and Jim Wolf by one stroke.

The Mueller Co. Bowling League got underway for the 1962-63 season at a new alley, The Montebello Bowl in Montebello. New officers for the coming season are:

- Jim Wolf, President
 - Bill Young, Vice President
 - June Adkins, Treasurer
 - Red Nelson, Secretary
- The eight teams and their captains in the league are:
- Steel Machine, R. Nelson
 - Brass Machine, R. Newell
 - Office, J. Wolf
 - Sales, D. Kelley
 - Forging, J. Byrne
 - Assembly, V. Galvan
 - Foundry, B. Piott
 - Shipping, C. Portee

Johnny Royer's hometown was featured in one of the stories in the June issue of the MUELLER RECORD. Johnny was pleasantly surprised when he saw the story about the 199-year-old water system at Schaefferstown, Pa., which was his birthplace.

BIXLERS HONORED

Mr. and Mrs. John A. Bixler, Brea, Calif., recently celebrated their 50th wedding anniversary. Mr. Bixler retired a few years ago after more than 42 years with Mueller Co. in Decatur. The Bixler's daughters and sons-in-law, Mr. and Mrs. Everett F. Roarick of Brea, and Mr. and Mrs. Marvin E. Arnold of Silver Springs, Md., co-hosted an open house at the Roarick home in celebration of the golden anniversary.

DECATUR BIRTHS

A number of new arrivals have been welcomed into the homes of Decatur employees or salesmen. Congratulations to:

- Leon Nelson, (Dept. 70), girl, June 28.
- Jim Smith, (Dept. 44), boy, June 12.
- Ray Foster, (Dept. 90), girl, July 21.
- Robert Koshinski, (Dept. 70), girl, July 28.
- Keith Williams, (Dept. 39), boy, July 14.
- Leroy Lawson, (Dept. 90), girl, Aug. 3.
- Jim Kissel, (Dept. 33), girl, Aug. 11.
- Larry Donaldson, (Dept. 60), boy, July 31.
- Laurence Lewis, (Dept. 10), girl, July 26.
- Rockne Winner, (Dept. 60), Aug. 8.
- Mervin Stanley, (Dept. 44), boy, Aug. 24.
- Bob Maxwell, (Dept. 42), girl, Sept. 7.
- Sam Parker, (Sales), boy, Sept. 5.

DECATUR DEATHS

Our sincere sympathy is extended to the families of Decatur employees, or to employees whose relatives passed away during the past weeks.

To Alice Jordan (Dept. 45) in the loss of her husband, Mark.

To the family of retired employee Frank Stevenson, who died in Tucson, Ariz.

To the family of retired employee Arthur Nash, who died recently.

To the family of Gus Edwards, Inspector in Dept. 80, who died unexpectedly on a hunting trip.

To Vernon Brunner Sr. (Dept. 50) in the loss of his wife, and to Vernon Brunner Jr., (Dept. 60) and Ronald Brunner (Dept. 10) in the loss of their mother, Mrs. Edith Brunner.

To Dale SeEVERS (Dept. 39) in the loss of his step-father, Harry Walker.

To Robert Jesse (Dept. 41) in the loss of his mother, Mrs. Laura Jesse.

To Dr. and Mrs. Thomas Lynch (company physician) in the loss of an infant son.

To Elmer Baker (Dept. 50) in the loss of his mother.

To the family of Mrs. Maria Overfield.

To Del Parks in the loss of his mother, Mrs. Florence Parks.

To Lyle Huff in the loss of his father, Royal Huff.

To the family of Harvey Baker, a retired employee.

Measure of Quality

Golden Ruler Rules

Following the golden ruler is the key to quality.

Just as the golden rule can be a method for happy living, the ruler and other measuring devices are necessary for a quality product.

Many of the items used daily can only be produced through man's ability to measure accurately. Smooth-running automobiles, quiet refrigerators, easy turning valves, and precision machines are on the market because man has learned to exactly duplicate parts.

Quality and measurement are synonymous. Without a standard of measurement a quality product would be no more than a lucky accident that could never be duplicated. Without a standard of measurement our civilization would be no more advanced than it was 8000 years ago.

Until comparatively recent times common objects were used as standards of measure. Some of the earliest standards were the palm or hand, the foot and the cubit (the length from the elbow to tip of middle finger).

Ever think of trying to measure the shift of a pattern with the palm of your hand or the length of a boring bar with a cubit?

In spite of these measuring problems the builders of old did a pretty good job.

For all practical purposes measurements as we know them were started about 3000 B.C. and what Egyptians were able to produce with the tools at hand was miraculous.

Under the Pharaoh Cheops the Egyptians built the great pyramids at Gizeh. The pyramid for Cheops took 100,000 slaves 20 years to move 2,300,000, 2½-ton stone blocks into place.

Considering what the Egyptians had to work with it could be expected that the pyramid would be something less than geometric, however, there was only a half-inch error in 755 feet in the finished quality product.

Cheops, not tolerant of off tolerances, had a secret to his success. He produced the cubit as a standard measure and it revolutionized pyramid building. The royal cubit was a stick of black granite which was the length of the pharaoh's forearm from elbow to fingertips. All cubit sticks used in the pyramid were duplicates of the royal cubit and calibrated periodically.

In England, Henry I commanded that the length of his arm should define the yard. To-

day, the common unit of length in Great Britain is the yard. The standard length is determined by measuring the distance between two lines crossing to gold studs set in a bar of platinum. The measuring is so critical that it can only be done at 62 degrees with the barometric pressure at 30 inches.

The U. S. Bureau of Standards maintains the standard yard measurement in this country.

The cubit stick's counterpart has become a big item for modern industry. Today investments for instruments, gauges, and jigs—the tools of measurement and quality—total about 4.5 billion dollars, or about 12 per cent of all capital expenditures.

Measuring instruments are found throughout Mueller Co. They range from a carpenter's rule to electronic devices which gauge infinitesimal tolerances.

The Tool Room, for example, has a set of government certified gauge blocks which are no more than one millionth of an inch off. They are used in a device which can check tools and gauges to tolerances of .0001 inches.

The Test Lab at Plant 4 has an instrument that can measure the thickness of chrome plating to within .00001 of an inch.

Of course most measurements aren't this critical at Mueller but many of the gauges used in the regular processes measure in thousandths or even finer.

Such exactness as this is what produces the quality product that is associated with the name Mueller.

This era of moon shots and atom splitting has increased the need for accuracy. Recently a misplaced decimal point in a calculation caused a space probe to miss its targets by thousands of miles.

Scientists have established the light-year to measure gigantic distances that can now be traveled. A light year (the distance light will travel in one year) is the equivalent of 6,000,000,000 miles.

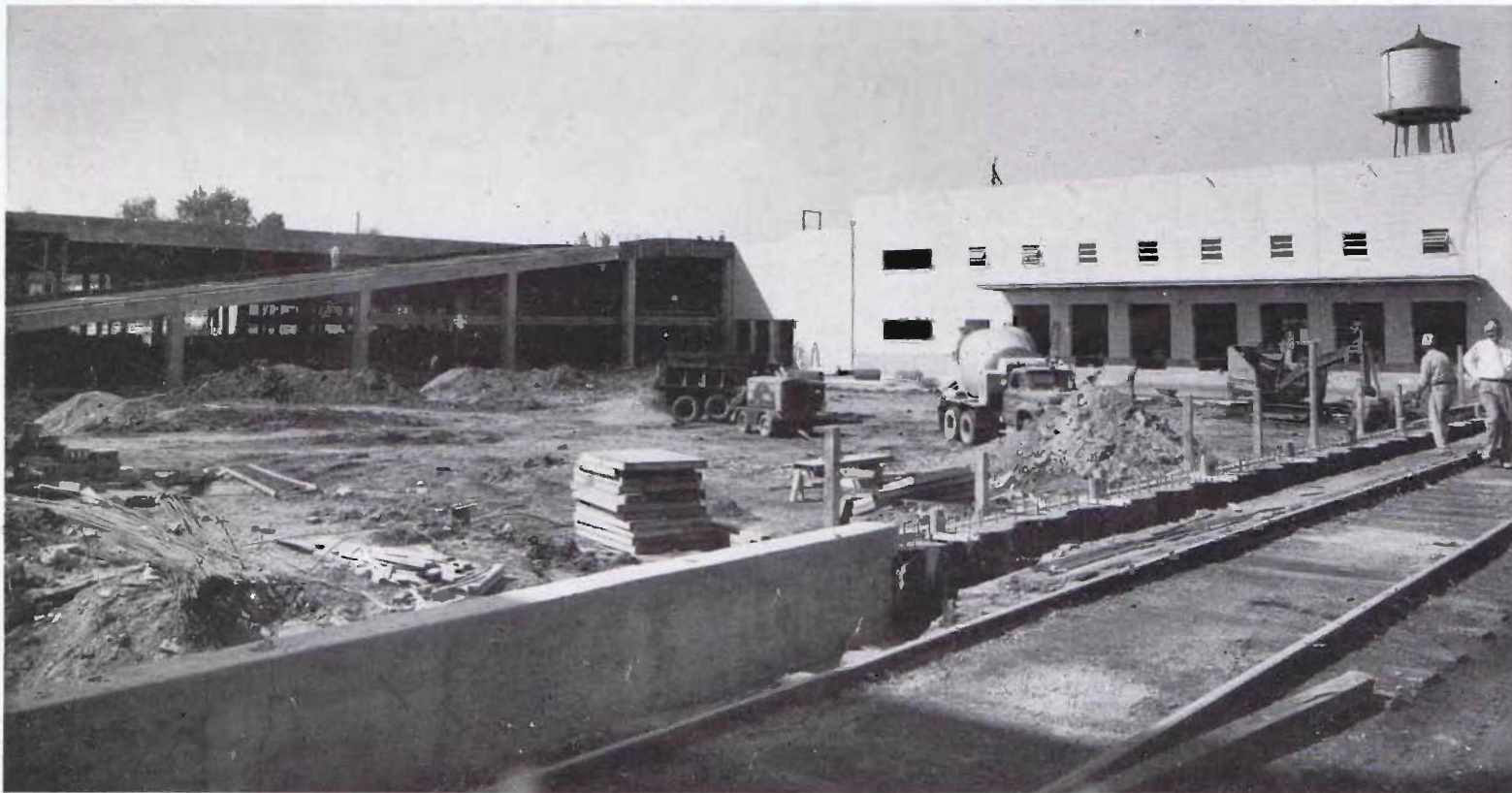
To measure almost infinitesimal distances, scientists use the Angstrom unit which is 1/254,900,000th of an inch. A new electronic device, by means of X-rays and infra-red radiation, measures the thickness and width of a hot metal ribbon as it speeds through the mill rollers.

This electronic marvel can measure materials ranging from two inches thick down to .0007 of an inch with an accuracy of about a millionth of an inch.



This Labor Day float built by Local 838 at Mueller Co. placed third in competition in a parade in Decatur. The float displayed a wide line of Mueller products and was pulled by a Mueller tractor complete with whitewall tires and driven by Marvin Black. If it hadn't been for the improvising of Ray

Schroll the float might have missed the parade. Just a few blocks from the parade assembly area, the tractor stalled and Marvin couldn't get it started. Ray happened along and took the coil out of his Chevrolet and put it in the tractor and got it going again.



Trucks hauling Mueller Co. products, rather than construction trucks, are now using this area as Mueller Co. recently began using the new shipping dock which is shown at the right. A portion of the ramp leading to the roof-top parking is shown at the left and below. This network of pipes (below) is now covered by concrete and in a few weeks employees will be able to park on the roof. About 1.75 miles of pipe are included in the system to keep snow and ice off the ramp.

International Firm Engineers Mueller Co. Building Program

If Mueller Co. needed a missile base, a transmission line, thermal power plant or airfield, it could call upon the same firm which is doing the engineering on the Mueller building programs.

The architect-engineering firm of Sverdrup & Parcel of St. Louis designed and engineered the Mueller expansions that are underway in Decatur and Brea.

In its 34 years of operation, Sverdrup & Parcel of St. Louis has helped create about \$3,000,000,000 worth of structures for private interests and

governments around the world.

Its services have covered all types of projects. It has designed hundreds of miles of highway, hundreds of bridges, many airfields, office and institutional buildings, industrial plants, dams, hydroelectric and thermal power plants, water supply pumping stations, port facilities, pipelines, sewers and tunnels, and various military installations, including fabulous supersonic planes, and space age missile and rocket sites.

Sverdrup & Parcel has about 800 engineers, architects, field men and office personnel from the Indies to the Andes. The company has branch offices in San Francisco, New York, Denver, Washington, and Jacksonville, Fla., but its field offices at construction sites can be found from the wilds of Thailand to Isthmus of Panama.

The services of Sverdrup & Parcel range from consulting with a client on an advisory basis to designing projects and supervising their construction. But the company, as a matter of firm policy, does no construction work itself on any project.

Heading this firm, which is one of the largest of its kind in the country, are Gen. Leif J. Sverdrup and John Ira Parcel.

At the age of 16 Mr. Sverdrup left his home in Norway and settled in Minnesota with many of his fellow Norsemen. After graduating from Augsburg College and spending time in service during World War I, Mr. Sverdrup studied civil engineering at the University of Minnesota where he became acquainted with Professor Parcel.

Following graduation he went to work for the Minnesota highway department and later became Missouri's chief bridge engineer. In 1928 he resigned his Missouri job and hunted up Prof. Parcel and they formed their firm.

It was rough going for the first 10 or 12 years but fate caught Gen. Sverdrup in the South Pacific when World War II broke out and he was sent to Australia to plan a vital supply highway. His WWI lieutenant's commission was replaced by a colonel's rank and he spent much of the war building airfields and roads in the Pacific. When Gen. Douglas MacArthur returned to the Philippines he took Major General Sverdrup with him. Dur-



ing the war, business at home flourished and the firm was well on its post-war way in all phases of engineering—even space age projects.

Sverdrup & Parcel is now in the midst of a study for the National Aeronautics and Space Administration (NASA) regarding designs for a 140,000-acre missile test center in Mississippi.

ARO, Inc., a subsidiary of Sverdrup & Parcel, has about 3,000 employees operating an Air Force test installation at the Arnold Engineering Development Center in Tennessee.

In no foreign land are the engineers and architects of the St. Louis firm so busy as in Thailand. Its crews have completed 200 highway bridges and much of a road modernization program that began in 1955. Sverdrup & Parcel is also responsible for the design and supervision of construction for the \$100,000,000 phase of the Yanhee multipurpose project which will provide electric power, flood control, irrigation and better river navigation in northern Thailand.

Another major project, this one at home, is a 17½-mile, \$140,000,000 bridge-tunnel

crossing of the lower Chesapeake Bay. This bold, imaginative project has won the acclaim of engineers all over the world. The crossing will consist of 12 miles of pavement resting on low trestles with concrete piling; two tunnels, each a mile long; four man-made islands, 230 by 1,500 feet, which will be terminal points for the tunnels; and near one end of the crossing, two high-level fixed steel bridges.

These projects and those undertaken for Mueller Co. are but a few which have begun in the minds of architects, designers and engineers at Sverdrup & Parcel, gone to the drafting boards and ultimately become structures all over the world.

Phillip Cruikshank Dies in Decatur

Phillip H. Cruikshank, 61, grandson of Hieronymous Mueller, died late in August in Decatur. A lifelong resident of the Decatur area, Mr. Cruikshank was manager of the ceramics division of Mueller Co. from 1923 to 1928. Prior to his death he was President of the Citizens Building Corp. and a director of the General Telephone Co.

Where There's A Will, Its An Easier Way

Here is a tip on how to save money: make out a will.

This isn't a pleasant thought but its need is inevitable.

Americans, who love to insure everything, have largely ignored the most inexpensive insurance of all. They insure most of their worldly possessions against loss but many Americans don't bother to protect their property after "something" happens.

About 60 per cent of the country's citizens die without a will of their own. "Of their own" is the important phrase here because if no provision has been made, the state steps in and handles it as prescribed by state law.

The catch with this arrangement is that the state would seldom distribute possessions the way an individual would. How is the state to know that your brother hasn't spoken to you for years and has no right to share your money? The state deals impersonally with people who die without wills, and doesn't make exceptions.

In spite of having a valid will, there are still restrictions set up by the state which govern distribution of an estate.

Under Illinois law, the surviving spouse may always claim one-third of the estate if there is a child or grandchild. If there is no child or grandchild, the surviving spouse may take one-half of the estate.

The right to make a will—something taken for granted by everybody today—is a hard-won privilege. Like the right to vote, it took centuries to earn. In medieval times, the common man had little chance to dispose of his property—especially real estate. Upon a man's death it reverted to the king or lord of the manor. Later on, the church took over the distribution of personal property, acting as representatives of the crown. The trouble with this system was that the clergy often appropriated to themselves as much as three-quarters of a man's estate to take care of the "remission of his sins."

This and other abuses led to a popular revolt culminating in the famous Willis Act under Henry VIII, by which people won the right to dispose of their property as they wished.

The laws regarding distribution of estates are complicated and varied. For the sake of safety don't try to write your own will or use an oral will. For a nominal fee your attorney can write a will that is complete through his experience and knowledge and not filled with legal loopholes.

Editor Attends Gov't. Briefing

Jim M. Milligan, Mueller Co. Editor, recently attended a briefing session presented in Washington by the Departments of Defense and Commerce, and the U. S. Information Agency.

The two-day session was limited to 250 members of the Public Relations Society of America and featured addresses by Secretary of Defense Robert S. McNamara and Secretary of Commerce Luther H. Hodges.

The briefing was designed to give first hand knowledge of the current state of affairs in vital governmental functions.

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