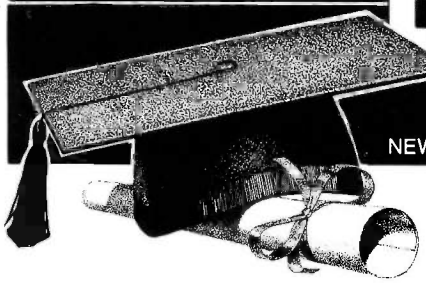
THE Pipeline REPORTER

NEWS ABOUT MUELLER MARKETS PLANTS PRODUCTS PERFORMANCE AND PEOPLE JUNE 1985



Scholarship Awards Given for 1985

Five winners of the 1985 $1000 Mueller Company scholarship awards have been announced. The five students, children of Mueller employees, were selected for a Merit Pool from ACT or SAT scores, then chosen at random. Winners this year come from Decatur, Clinton, Chattanooga, Philadelphia (TCI-Superior) and Farmington Hills, Michigan (Corporate).

Tamela Kahl is a 1985 winner from Farmington Hills, Michigan. Her father, Richard F. Kahl, is a Field Sales Representative of gas products at Mueller Corporate. Tamela is a graduate of Harrison High School, where she received a Phi Beta Kappa award. Groups and activities in which Tamela participated in included the Pom-pon squad, National Honor Society, French Club, foreign exchange program, Student Council and the Student Roundtable. Tamela plans to enter the school of Literature, Science and the Arts at the University of Michigan.

Terry Jones, son of Arnold Jones of Department 70 of the Decatur plant, is also a 1985 scholarship winner. As a graduate of Atwood-Hammond High School, Terry was a member of the National Honor Society, Computer club, and Scholastic Team. He also appeared in a class play and was on the yearbook staff. Terry, who was Treasurer of his Senior Class, plans to attend St. Louis College of Pharmacy.

Barbara Patrick is a Chattanooga, Tennessee, scholarship winner. A 1985 graduate of Tyner High School, Barbara is the daughter of Robert Patrick, a Mueller maintenance electrician.

While in high school, Barbara was chaplain of the National Honor Society, member of the National Beta Club, and cast in two school musicals and the Senior play. She is listed in Who's Who Among American High School students and received the Midnight Oil Award

(continued on page 3)

Tamela Kahl

Terry Jones

Barbara Patrick

Alyssa L. Oister

Brian Pinson

Canada Valve to be a Part of Mueller

Mueller Co. has reached an agreement in principal with Anchor/Darling Industries of Radnor, Pennsylvania for the acquisition of their Canadian company, Canada Valve Inc. The acquisition is subject to approval of the Canadian government and the signing of a definitive agreement between Mueller Co. and Anchor/Darling Industries. It is the Company's intention if this transaction takes place to have this subsidiary report into our Mueller Ltd. operations.

Canada Valve enjoys a strong position in the valve and fire hydrant market in Canada. This coupled with Mueller's strong position in waterworks brass and tapping machines would result in Mueller Ltd. becoming a major factor in the overall waterworks market in Canada. It will also give Mueller Co. the opportunity to compete in several international markets.

Canada Valve has been in Canada since 1923 and is headquartered in Milton, Ontario. It also operates plants in Brantford, Ontario and Drummondville, Quebec and has distribution points throughout Canada.

When concluded this will be Mueller's seventh acquisition since 1982, all designed to broaden the company's business base in flow control and make the company a more stable place for all of its employees. It will bring to seventeen the number of manufacturing facilities the subsidiaries and divisions have in the U.S., Canada and United Kingdom.

Lyons and Pearse New Group Vice Presidents

Robert W. Lyons

George G. Pearse

Robert W. Lyons has been named Mueller Co. Group Vice President with the following business units and general managers reporting directly to this newly created position:

Judd Valve Company, Inc. (Tulsa, Ok.) — James H. Egan, President;

Leopold Co. (Zelienople, Pa.) — Marvin A. Brown, President;

Mueller Flow Products, B.V. (Belfast, No. Ireland) — James Owens, President.

In addition to this added responsibility, Mr. Lyons will continue to have the following individuals reporting to his office:

Robert J. Abbott — Mgr., Advertising & Sales Promotion;

A. E. (Gene) Hullinger — Mgr., Corporate Manufacturing Development.

He will be headquartered in Decatur, Illinois.

Mr. Lyons has been with Mueller Co. since 1981 when he was named

(continued on page 2)

How does a computer "follow instructions"?

PART II IN THE SERIES "WHAT IT HELPS TO KNOW ABOUT HOW A COMPUTER WORKS"

Once again, it's a marvel of high technology, but no mystery. Imaginative people plot out every single step a computer must take to do a job or play a game. These steps get "translated" into binary codes, go into the computer, and, once there, they *make* the machine take the right steps in the right way at the right time.

You have read that a personal computer speedily takes huge amounts of information in "bits" and "bytes." Some of this information will be the data that the computer needs to do a particular job or play a certain game.

But some of it must be "instructions" on *how* to do the job (or play the game).

You don't have to give it those "instructions," and we'll explain that shortly. First, let's examine what we really mean by *"follow instructions."*

A computer is an electronic machine. True, it represents the most advanced electronics of the times. And it does many jobs which, until computers were invented, only *people* could do.

No doubt that's why the earliest inventors used many *animate* terms to describe what these *in*-animate machines have and do. And these terms, being succinct and colorful, caught hold. But they *can* cause misconceptions . . . and possibly the apprehension that some people feel.

For example, one of the common "mysteries" of a computer is the concept of its having a "memory." But "to remember" means to recall something without "looking it up." Or to recollect what has never been recorded at all on paper, tape, film, etc. And we find it hard to conceive of a machine's doing either of those things. It doesn't.

As just explained, *all* the information in a computer *is* recorded. And it must "go to the record" for every bit of information it uses. *How* a computer *retrieves* and uses its recorded data is high technology. But not memory.

In the same vein, although a computer is a great leap up from other machines, it *is* a machine, hence does *not* "follow instructions" either — not as we understand the term. Like every other machine, it *does what it is set up to do.*

The truly magnificent achievements in computer technology lie in creating a machine that *can* be set up to handle such complex and diverse jobs and games; and also in the actual setting up (which is called "programming").

The people who do that programming have two extraordinary talents: (1) Conceiving jobs and games that a computer can do or play. (2) Structuring the job or game so that a computer can do it one very small step at a time.

Even the simple actions of adding two checks and subtracting them from a balance can set hundreds of electronic codes flashing through the machine and interacting with one another. But each flash and interaction is a small *step* either predetermined by those program designers, or built into the machine, and the computer cannot do anything *but* take those steps.

In many jobs or games, there come junctures when the computer seems to have a

"choice" of proceeding in one of several different directions. *But it has no choice.* The programmers have planned the instructional binary codes so that if the situation is "A", the machine *must* take the "A" route; if the situation is "B", it *must* take the "B" route . . . and so on.

To appreciate the structured thinking it takes to formulate computer programs, imagine anticipating and planning every step of even a very simple job: looking up a date in an almanac.

Most of us would start with "Open almanac." But that is already way too far into the job. Can we assume that we always have an almanac in front of us to open? No? Then first, "Find almanac." *Now* open it? Not if it's on a bookshelf. OK, "Take almanac from bookshelf." How? With my nose? No, with your hand. Which hand? Either one. Sorry, but *you* must decide; a computer can't. (See what we mean?)

But putting the job in specific, sequential steps, that's not the end of it. Remember, a computer takes information bit by bit, byte by byte. Going from step 1 to step 2 may require steps 1a, b, c, d, e, f, g, on up to hundreds of intermediate steps. Even the best program designers can't "think that small." For those minute steps, they *turn to other computers* that are programmed to help *prepare* programs by filling in all those in-between steps.

This use of computers to help prepare computer programs makes a neat circle — in that (1) it greatly speeds up the process; (2) thus helps make it possible to create so *many* programs; (3) at affordable prices; and (4) planned down to the smallest steps to do exactly what you want done.

You don't do that planning. *You* don't have to do anything except work *with* the computer while the machine does what it's *programmed* to do. And we hope you now have a comfortable understanding of how it does that.

Lyons and Pearse

(continued from page 1)

Vice President-Marketing. In 1984, he was named Vice President-Marketing and Business Development in conjunction with the formation of the Mueller Water & Gas Products Division.

He has held a number of positions with organizations important to the Company. These include past Vice Chairman-Valve Manufacturers Association (VMA) Valve and Hydrant Committee, and currently Vice Chairman-Water and Waste Industry Committee. He is also on the Board of Directors, Decatur Electronics.

Prior to Mueller Co., Mr. Lyons held a number of senior marketing and sales positions with FMC Corporation including General Sales Manager and Division Marketing Manager.

George G. Pearse has been named Group Vice President with the following business units and general managers reporting directly to this newly created position:

Mueller Pump Company (Conway, Ar.) — Daniel Benson, President (acting);

Tri-Canada, Inc. (Toronto, On.) — Gordon Stewart, President;

Superior Stainless (Delavan, Wi.) — Stanley Bogaczyk, President.

Before joining Mueller Co., Mr. Pearse (pronounced "purse") held a number of senior management positions with the Trane Company including Vice President and General Manager — International Division, Vice President and General Manager and Vice President — Marketing for the Consumer Products Division. In addition, he has been responsible for manufacturing and materials management with Trane. Prior to Trane, Pearse was with General Electric Co.

Mr. Pearse holds a B.S. in Mechanical Engineering from the University of Notre Dame. He and his wife, Pat, have four children and currently reside in LaCrosse, Wisconsin. They will move to Decatur, Illinois in the near future.

**Do you know of any special Mueller employees or family members who deserve special mention in the Pipeline? Send information and photos to: Loyd Hawkey, Corp. Personnel, Mueller Co., Decatur, IL 62525.*

Retirements
For
March, April, & May

Marvin Spitzer
44 years

Robert Leake
42 + years

Paul Funk
38 + years

Robert Wiley
38 + years

Gerald Myers
32 + years

Hartford Lewis
29 + years

Lloyd Moeller
26 + years

Robert Jesse - 35 + years
(no picture available)

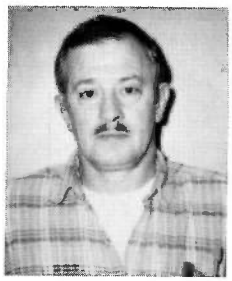
Service Awards
For
March, April, & May

Loren Hetzler
30 years

Harlow Oyler
30 years

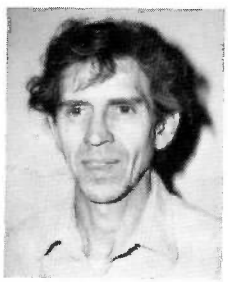
Mike Ater
25 years

Larry Collins
25 years

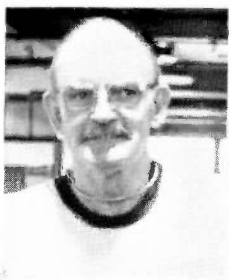


Harry Logue
25 years

Robert (Rusty) Logu
25 years



Ray Quick
25 years



Maurice Moore
25 years

Robert Shewmaker
20 years

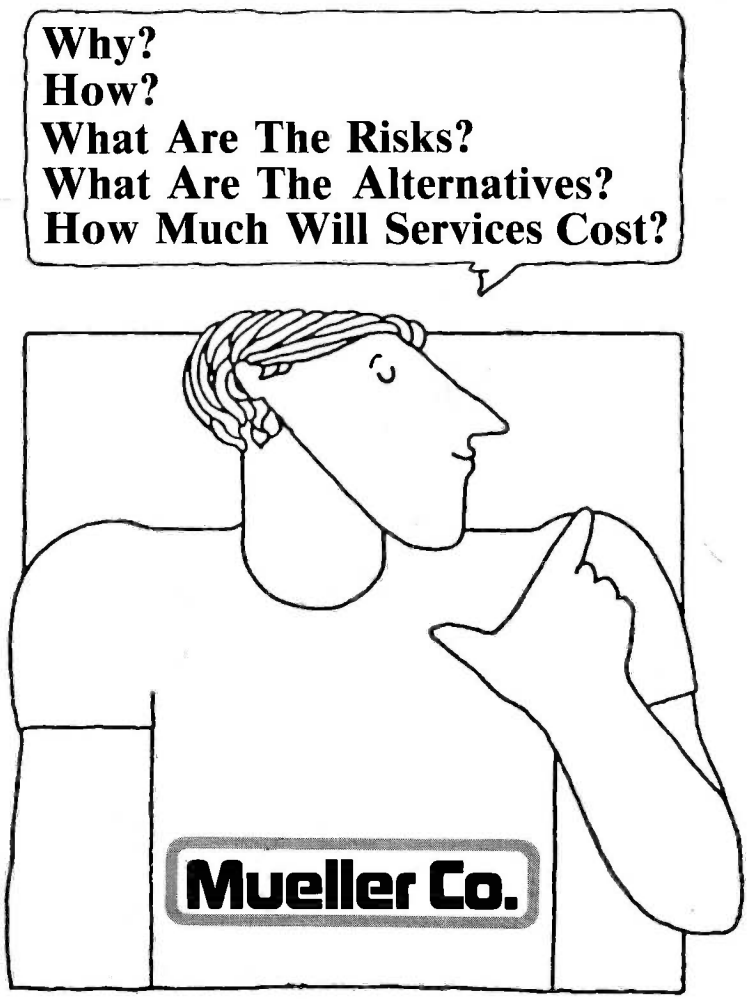
10 yr.
Barry Belton
Becky Parker

AVOID INCONVENIENCE AND PERSONAL COSTS

- KNOW HOW TO GET THE BEST HEALTH COVERAGE UNDER YOUR COMPREHENSIVE MEDICAL PLAN

- YOU CAN ASK QUESTIONS OF YOUR:
  - Physician • Hospital • Druggist

- ASK YOUR DOCTOR AND OTHER PROVIDERS:



Strictly Personal

DECATUR

NEWS ABOUT MUELLER CO. EMPLOYEES AND THEIR FAMILIES

JUNE 198

Plant Manager's Corner by Bill Riner

It has been nearly three months since I joined Mueller Co. and I want to take this opportunity to share with you some of my thoughts and feelings about our operation at Decatur. First and foremost I am very, very optimistic about our opportunities. We have a lot going for us at the Decatur Plant. We are part of a vibrant, growing, well managed company. We produce products which are, and will continue to be, needed in the markets we serve. Decatur products are known to be of high quality; they have an excellent reputation in the industry we serve. When I informed my associates at my previous company where I was going the response was always "Yes"! "Good Company".

Believe me there are many industrial plants in the U.S. today which do not have as sound a base from which to build as we do at the Decatur Plant. On the other hand, we are being severely challenged. If it is any consolation we are not alone. The strong dollar, fierce competition, and fundamental changes in many segments of our economy have and will continue to put severe demands on many industrial plants to significantly improve their performance. The days of passing on inefficiencies and low productivity to customers in the form of price increases are over.

Furthermore, the acceptable standards of performance of a few years ago simply are not good enough. No one is to blame, it is simply the way it is. It is the reality, the challenge in which we find ourselves.

Some may ask can we ever win; can we prosper? Can Decatur provide the security and opportunities that we all want and need from our jobs? The answer in my view is a resounding Yes! But we have to earn it.

We earn it by first developing a plan built on achieving superior results. The building blocks for improvement in our plan are rather basic and simple. You and I have heard about them many, many times but they are still important. They encompass improvement goals in scrap and rework, cost reduction, increased mold counts, increased uptime, improved customer service levels, lower inventories, etc. Our plan must also be based on installing new equipment on time and getting it to full production quickly. As I said, nothing new but very important.

Achieving outstanding results in spite of setbacks and difficulties, in my view, takes a coordinated, dedicated effort on the part of every one.

Further, a "can do" attitude has to prevail throughout the plants and offices. This way of thinking finds solutions and solves problems. Also, this "right" attitude fosters much needed flexibility. The way we must do business is changing rapidly and we must respond quickly. Computer technology alone provides us opportunities which must be taken and we need to do it better and faster than our competitors. Our response to change can be negative or positive. A strong positive response on everyone's part will cause us to win. The opposite would be most unfortunate.

Why am I so confident that we have what it takes at Decatur? I would like to cite a few examples of performance I have observed in the short time that I have been here to prove my point. We established some aggressive mold count improvement goals and we are making them! I am confident that we will continue to improve and if we get into trouble the same people who are now making the goals will do what it takes to get us back on track.

Another example, our plant has recently reached and has maintained customer service levels of 90 percent plus over the last few months. That did not just happen; Materials and Manufacturing people got together, worked hard and acheived a very worthwhile goal.

One final example, is the fine effort that has gone into our MRP Program. As expected, we are running into some snags. But if those involved continue to work together, accept no excuses and keep at it the project will be brought home successfully. From what I have seen so far I'm confident this will happen.

We have also established scrap reduction as part of our improvement plan and we have not yet made our target. In fact because many people were transferred to jobs they were unfamiliar with, we actually got worse. This means we have to work harder and find some way of making our goals, and that's just what's happening. Daily meetings of molders and ladlemen are taking place to review the previous days' scrap versus our goals. That's an example of reacting to a problem. If this does not work we will try something else because scrap reduction is an important part of our plan. We will get back on stream and it will not be luck. Every one involved will have made it happen.

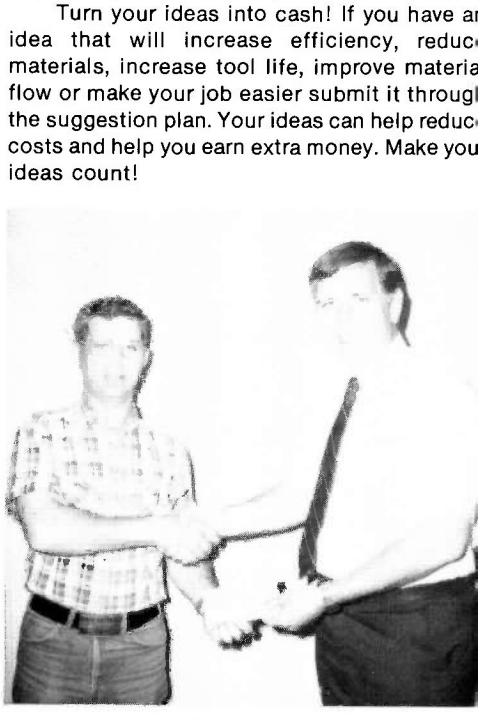
I think you get my point, thanks for listening. (That's part of the plan also, listening to one another with an open mind). To summarize, to meet the challenges facing us we must set stretch goals in a number of critical areas and then work at it until they're met. No excuses. If this process begins to dominate our thinking the attainment of outstanding performance is inevitable. I sincerely believe this and I'm looking forward to working with you to make the Decatur Plant reach its' potential.

On a personal note, my wife and I bought a house in Decatur and we plan to move i sometime in June. My wife said during preemployment visit "Decatur is a nice com munity. There is a lot here; the family can b happy here". We decided to come. After livin here for about three months and meeting man people I know she was right. We even found hill - we bought a house right beside it.

Employees Earn Cash For Ideas

Twelve employees were recently paid fo ideas they had to improve the overall efficienc of the operation. Suggestion awards rangin from $35.00 to $2133.68 were paid to Geral Mahaffey, Donald E. Lowe, James Nicholson Jim Weatherford, Jerry Bennett, Harold Ruot Charles Spence, David Deal, James Lee Jackson Ray Davis, Charles Bates, and Francis Ford.

Turn your ideas into cash! If you have an idea that will increase efficiency, reduce materials, increase tool life, improve materia flow or make your job easier submit it through the suggestion plan. Your ideas can help reduce costs and help you earn extra money. Make you ideas count!



Pictured is Harold Ruot (left) receiving $2133.68 check from Suggestion Committee Chairman Rex Camfield (right).

New Weekly Safety Incentive Program At Decatur Mfg.

There is something new going on in safety at Mueller, Decatur!

In June a new safety incentive program began. The program is intended for all factory employees. The Decatur operation is broken into three groups that participate independently of each other. The three (3) groups are: Plant 4, Plant 1 - east of Monroe Street, and Plant 1 - west of Monroe Street. The program is intended to reward the individuals in each group that work without having accidents that incur lost time or are recordable doctors cases.

THE PROGRAM WORKS AS FOLLOWS:

1) Every Monday or the first work day of the week, all eligible employees draw a ticket from their groups jar of tickets.

2) The employee opens the ticket he has drawn and compares it to the list of winning numbers.

3) If the employee has a winning number, he claims the corresponding prize from the Personnel Office.

THE FOLLOWING CRITERIA MUST BE MET FOR AN EMPLOYEE TO BE ELIGIBLE TO DRAW WEEKLY:

1) The employee must be at work on the day of each drawing.

2) An employee who has a lost time accident loses his eligibility to draw for the duration of the current segment of the program. The program will run in 6-month segments.

3) An employee who has an OSHA recordable doctors case loses his eligibility to draw for three months.

4) An employee who receives a written safety warning loses his eligibility to draw for 4 weeks.

5) The slate is wiped clean at the beginning of each 6-month segment of the program.

6) There must not have been a lost time accident in the employees group for 3 weeks. No one in the group is eligible to draw for this three week period after a lost time accident in the group.

7) There must not have been an OSHA recordable doctors case in the employees group the previous week or no one in the group is eligible to draw that week.

Decatur management is attempting to gain renewed interest in safety from the factory employees. Decatur has experienced a good safety record the past several years and by renewing employee interest in safe working habits that record will improve each year and keep SAFETY #1 AT DECATUR.

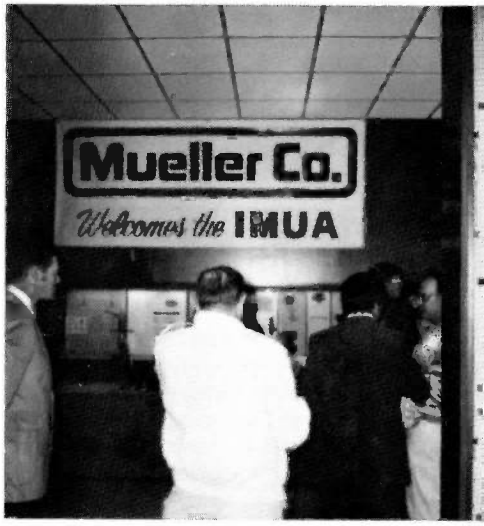
Presidents Safety Award

The Mueller Co. Presidents' Safety Award Trophy was given to the Decatur Plant on March 25, 1985. The trophy is a traveling award given annually to the plant with the best safety record for the previous year. The Mueller Co. gives this award in two categories, small plants under 250 employees; and large plants over 250 employees. Decatur won the large plant award. There are four factors that each plant is judged in determining the annual winner. Those factors include OSHA recordable cases, lost time accidents, lost time days, and workers compensation costs for the plant.

The Decatur plant management is very proud of it's employees for the outstanding safety record. It was only through the conscious safety awareness of all the employees that Decatur was able to win this award. The annual Presidents Safety Award trophy is something we want as a permanent fixture in Decatur, with everyones efforts to keep safety number one in our minds - the trophy will remain in Decatur forever!

Larry Holub (left) and Jim Weatherford are pictured with the Presidents' Safety Award.

Mueller Gas Division Hosts IMUA



Mueller Co. gas division led by Gene Wheeler and Dick Kahl hosted the Illinois Municipal Utility Association on March 19th with a gas training session. The IMUA were in Decatur for their annual meeting, so while here plant tours of departments 70 and 80 were arranged for some 100 people.

Thank You, Mueller Co.

Dear Mr. Powers,

I would like to thank you and the Mueller Company for helping to underwrite the purchase of communication aides for three students at William Harris School. The $500.00 contributed by the Mueller Company was invaluable in helping us to reach our goal.

I understand that all of the aides have been ordered. Kimberely Banning and Nabil Draves have each received their aides and are using them successfully. Sherry Carver's system has not yet arrived. Because of your help and concern, these children now have an alternate and effective form of communication. I know their lives have been enriched at school, at home and in the community.

Thank you once again for your assistance. If you would like more information regarding the project, please contact Nancy Bradley, Occupational Therapist at William Harris School.

Sincerely
Cheryl L. Anderson M.A., CCC-Sp
Speech and Language Pathologist

Nabil Draves

Kimberely Banning

SPOTLIGHT ON NEWTOWNABBEY, IRELAND

Thanks to Stan Braden, for sending the Pipeline this information about our subsidiary in Ireland.

Mueller Flow Products B.V. is situated at Mallusk, Newtownabbey which is on the northern outskirts of Belfast, about 7 miles from the city centre. It is adjacent to the M2 motorway which gives easy access to all parts of Northern Ireland. Within a radius of 10 miles from the plant are the towns of Carrickfergus, Ballyclare, Antrim and Holywood, as well as the city of Belfast, and Belfast International Airport.

The town of Antrim is on the shore of Lough Neagh which is the largest lake in the British Isles. The entire area is rich in both history and pre-history. Carrickfergus has a castle and church built about 1180 A.D. and the homestead of President Andrew Jackson, while within 5 miles of the plant is a pre-historic burial chamber.

Most of the employees live within 10 miles of the plant, with the majority coming from Newtownabbey, North Belfast, Antrim and Carrickfergus. They have a wide variety of industrial experience reflecting the mixed character of local industry, and many of our machine operators have had re-training in one of the Government Training Centres in Newtownabbey, Ballymena and Lisburn.

The population of Newtownabbey is about 60,000 and all sports and recreations are well provided for. Leisure centres with facilities for swimming, squash, indoor football etc., are provided in Newtownabbey, Antrim and Carrickfergus. There are numerous outdoor football and hockey pitches, and many rugby and golf clubs, as well as sailing, fishing and watersports on both Lough Neagh and Belfast Lough. In addition to traditional shopping facilities in the towns and villages there are large shopping centres at Antrim, Glengormley and Whiteabbey.

Many people in the area are employed in the service, construction and textile industries, but among the engineering companies are S.T.C., once part of I.T.T., Hughes Tool Company, and Camco, L.F.E. International took over this plant in December 1979 and began construction of the foundry. By August we had about 40 employees and had poured our first casting. By November we had about 80 employees and shipped our first 20 foot container of raw machined castings. In 1982 we became part of the Valley Pump Group and added Valley parts to our range of castings. Since December 1984 we have been part of Mueller Company. We have begun casting and machining Mueller parts and now employ 97 people, and ship about five 40 foot containers each month.

Celtic Cross in the Graveyard at Carnmoney Parish Church, Newtownabbey.

NAMES IN THE NEWS

Patrick J. Powers has joined the Corporate Financial team as Corporate Manager-Planning and Control.

Mr. Pat Powers, who is not related to President Ed Powers, comes to Mueller from the Aluminum Division of Hoover Universal, where he was the Division Controller. Prior to this, he held the position of Plant Controller with the Materials Handling Division of Hoover. Before his tenure with Hoover, Pat was a Staff Accountant with Price Waterhouse. He has his B.S. Degree from the University of Nebraska and is a CPA.

Mr. Barry A. Fresh has accepted the position of Corporate Manager-Cost Accounting and Budgets. He was formerly the Director of Cost and Budgets for General Battery Corporation in Reading, PA.

Prior to General Battery, he held the positions of Cost Accounting Manager with Harleco Division, American Hospital Supply; Assistant Treasurer and Controller with A. Webster Dougherty; and General Accountant with Avisco Division of FMC. Mr. Fresh has his B.S. Degree from Drexel University and has done graduate study at St. Joseph's.

MUELLER PROFILE

"Another Outstanding Mueller 'Product

The Houston Astro's have signed B Parker to their Class A Florida State League Osceola, Florida. Bob is the son of Sam Park of Maitland, Florida. Sam is a Mueller Fie Sales Representative of water products.

Bob began his baseball career in 1969 as batboy for a Maitland Little League team. H was selected the All-Five Star Conferen shortstop twice while playing at Lyman Hig School, which attracted offers from Semino Community College and later from Mississip State.

His college success led to Parker's 198 draft selection by the Astro's in the 21st roun Parker is pleased with his career at this poin "I'm where I want to be. In this game, you mak your own breaks."

Left to Right: Astro Bob Parker wit proud father Sam Parker.

Scholarship Awards

(continued from page 1)

for Scholastic Achievement.

Barbara plans to enroll at either the Unive sity of Chattanooga or Chattanooga State.

Alyssa L. Oister is the daughter of C. Ronal Oister, District Sales Manager for TCI-Superio Alyssa is also a 1985 Mueller Scholarship wir ner and graduate of Schuylkill Valley Hig School. She is a member of the National Hono Society, Panther Youth Education Association band and drama. Selected for Who's Who i America's High Schools, Alyssa maintained grade point average of 3.78 and ranked third i her graduating class. Alyssa will attend Penn sylvania State University, majoring i psychology.

Brian Pinson, son of Freddie Pinson Employee Relation Manager, Clinton, is the firs scholarship winner for that facility. Graduatin from Clinton High School, Brian plans to ente Clemson University in the fall and pursue a majo in Chemical Engineering.

While in high school, Brian played football basketball and golf. Being in the top 10% of his class throughout high school, he was a membe of the Beta Club, Fellowship of Christian Athletes, acting as Vice President his senio year, member of the Thespian Society, Block "C" Club, the annual staff, Boy's State representative and was a Wofford and Citadel Scholar. He was also president of the Student Body his senio year.

The Mueller Company scholarship program was established in 1982. Awards of $1000 are made to each winner for each of 4 years they pur sue their undergraduate degrees. In addition, special achievement awards of $100 are made to those recipients who attain grade point averages in the top 10% of their college classes each year.

Vast Pipeline Orders Judd Valves

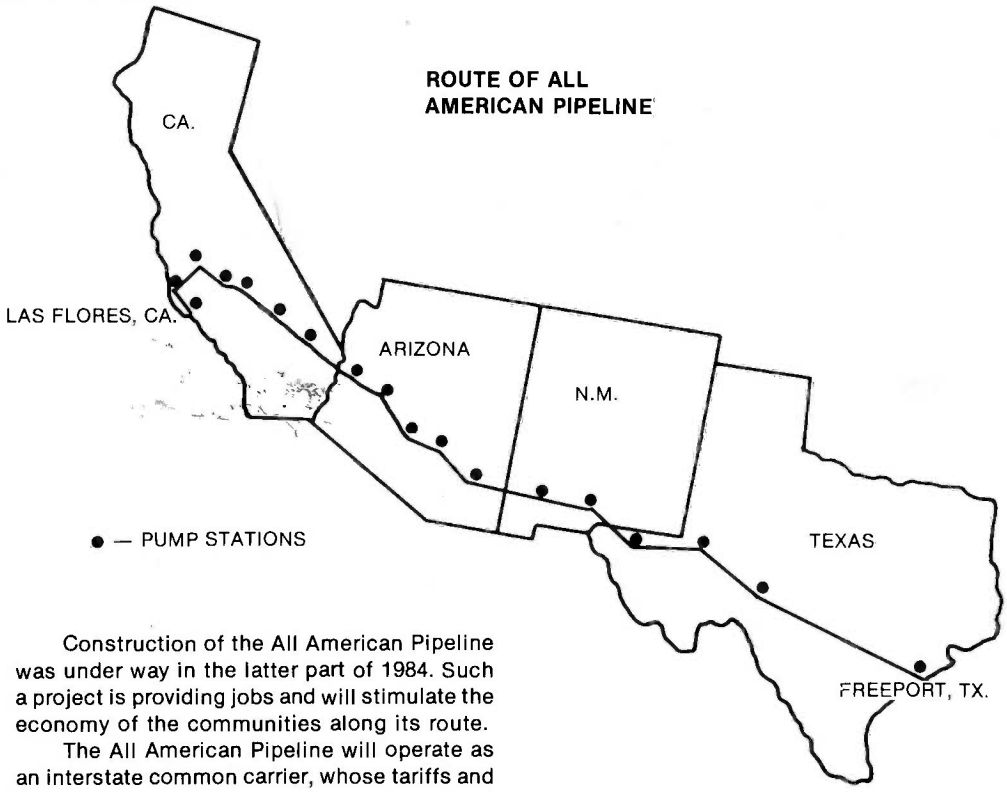
The Judd Valve Company has been awarded its largest single order in the companies' history from "The All American Pipeline Company" for 24" & 30" check valves.

The All American Pipeline Company and Celeron Pipeline Company are constructing a 30-inch diameter, heated crude oil pipeline extending some 1700 miles just west of Santa Barbara, California to the Gulf Coast near Freeport, Texas. Both All American and Celeron Pipeline are operating companies of Celeron Corporation, a subsidiary of The Goodyear Tire & Rubber Company.

The purpose of the line is to alleviate the significant crude oil surplus that will result from major offshore California discoveries. The offshore discoveries will add significant reserves of heavy, high sulfur crude — most of which cannot be refined in California. Refineries in the Gulf Coast area have the capacity to refine the heavy, high sulfur crude.

The All American system is designed to transport 300,000 barrels per day. Through connections in West Texas, oil can be trans-shipped through other lines to major refining areas in the United States. The project is estimated to cost $840 million.

Historically, pipelines have been the safest and most cost effective means of transporting oil, with less environmental impact than other transportation methods. Highest industry standards, and the latest state of the art technology, will be used in the design, construction, and operation of the system.



Construction of the All American Pipeline was under way in the latter part of 1984. Such a project is providing jobs and will stimulate the economy of the communities along its route.

The All American Pipeline will operate as an interstate common carrier, whose tariffs and tariff rules will be subject to control of the Federal Energy Regulatory Commission (FERC). As such, the pipeline must provide access and transportation services to all shippers on an equal basis.

With a projected two year construction period, crude oil could be flowing by the end of 1986 in the largest pipeline ever constructed in the United States.

Mueller Co.
DECATUR, ILL. 62525

Bulk Rate
U.S. Postage
PAID
Permit No. 500
Springfield, IL

[redacted]