STALEY NEWS
VOLUME XII
NO. 4 DECATUR, ILLINOIS JUNE, 1970

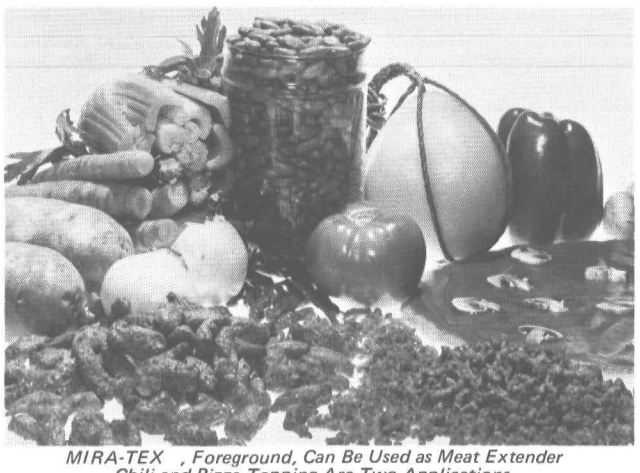
# Company Announces MIRA-TEX™: The Food for Tomorrow

## Here's How It's Used

Chili. Dips. Meat patties. Pizza topping. Sauces. Sea foods. Snacks. Soups. Spreads.

Just a sample of the application of MIRA-TEX™ the Company's new entry in the textured protein market.

Generically, MIRA-TEX™ is known as a "textured vegetable protein." It's textured like meat. It's derived from the soybean protein. Hence the name "textured vegetable protein".



*MIRA-TEX , Foreground, Can Be Used as Meat Extender Chili and Pizza Topping Are Two Applications*

Nutritional value and performance are two of MIRA-TEX's™ key assets. It has nutritional values similar to red meat.

But MIRA-TEX™ performs better than meat in several ways. It can be shipped and stored at room temperatures when dry without spoiling. And it takes little preparation time, requiring a 10 to 15 minute soak in water (150° F.) to become fully rehydrated.

In addition, MIRA-TEX™ is essentially void of cholesterol, containing less than 1% fat. Plus, it costs less than meats: in the ready-to-use state about one-tenth the price of hamburger meat. Its outstanding functional properties are of great value for many food products.

MIRA-TEX™ is tan colored and bland. In use, it receives flavor and color by absorbing these qualities from the ingredients with which it is cooked.

Presently, the Company has six MIRA-TEX™ products, exhibiting different particle sizes and characteristics.

*Turn to Page 2, Col. 5*

## ...and How It Got Here

From concept to a marketable product in seven months is a tall order, but, thanks to a dedicated effort by our soy products group, that's what happened with the Company's new entry into the textured protein market.

Late last August, Dick Lockmiller, manager of special products, walked into Hans Wolff's office and said the Company had decided to market a textured protein. He asked Wolff how long it would take his soy products group to develop a commercially acceptable product line.

*Part of the Group Responsible for MIRA-TEX (L-R) Janes, Hayes, Wolff, Robinson, Pruiett*

"I didn't know how long it would take," Wolff said, "but it sounded urgent and challenging."

Seven months later Wolff's group was turning out a product that Lockmiller termed "better than anything on the market."

Although the actual development of the improved product took only seven months, the Company's commitment to soy protein development came several years ago. It was then that, after analyzing the world's growing needs for nutritional foods, the Company began developing its soy protein capabilities. The acquisition of soy protein-oriented Gunther Products of Galesburg, Ill. in late 1969 was a further step in this commitment.

Wolff credits his soy products group with an outstanding effort in developing MIRA-TEX.

*Turn to Page 2*

*Chairman Staley (standing) Addresses Stockholders Research Center Auditorium Was Filled To Capacity*

# Unprecedented Expansion Foreseen by the Chairman

Unprecedented expansion and diversification activity were the keynotes when Chairman A. E. Staley, Jr. addressed the shareholders at the Company's annual meeting, May 11.

Addressing some 220 shareholders, Mr. Staley stated that he viewed the Company's long-term outlook "optimistically."

The Chairman indicated that the Company's basic line of products for foods, papers, and textiles was not seriously affected by mild economic gyrations.

Expansion also was a key part of his address. He cited new corn refining installations at Morrisville, Pa., and in Argentina; a new chemical plant in Kearny, N.J. (see story Page 3) now virtually completed; and programs to increase production of specialty products at Decatur, Galesburg, Ill. and Charlotte, N.C. In addition, a site has been purchased in Alsip, Ill., just outside Chicago, for construction of an expanded consumer products headquarters complex.

Mr. Staley also reported that he expects profit results for the 12 months ending September 30 to "compare favorably" with 1969.

*Turn to Page 2*

# Company's Own Waste Treatment Plant Satisfies Today's Clean Water Demand

*Third in a Series*

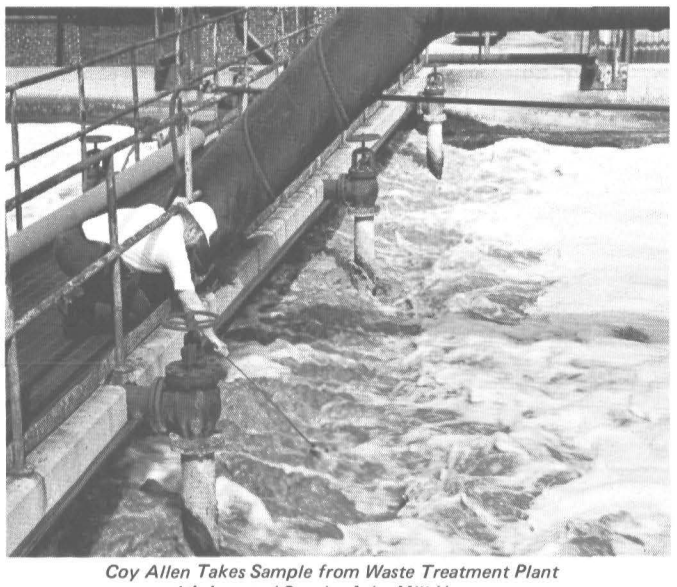
The decision to build its own process waste treatment plant 17 years ago has put Staley Decatur in an "exemplary" position in light of today's demand for clean water. The Company now has turned its attention toward better methods to treat process wastes.

The process waste treatment plant (called an "submerged culture waste treatment system") treats process losses that are more concentrated than normal domestic wastes. After treatment in the Staley plant, the reduced wastes are sent to the Decatur Sanitary District for final treatment.

Built at a cost of $200,000 in 1953 and supplemented by $450,000 in improvements and expansions, the waste treatment plant was, ironically, necessitated by the Decatur environment.

Unlike our competitors, the Staley corn plant is in a town with a small river. This made it necessary for us to meet the problem of controlling liquid wastes long before the present era of public awareness. Building our first waste treatment plant was only one step in a long-term, continuing program which dates back to 1926.

"We have continuously refined, improved, and added to our original treatment plant until today it represents a major achievement in loss control," said Nat Kessler, group vice president in charge of the Company's clean air-water program.



*Coy Allen Takes Sample from Waste Treatment Plant It's Located South of the Mill House*

"When it was installed, it was the first in the corn processing industry. As a result of the knowledge we have gained, we are far ahead of our competitors in engineering know-how and design for waste treatment and sewer loss control," Kessler added.

The capacity of waste treatment plants is expressed in terms of population equivalent (PE). Staley's Decatur capacity is 100,000 PE, meaning that the plant handles the equivalent of the wastes from a city of 100,000 population. (By comparison, the Decatur Sanitary District has a 250,000 PE.)

Process wastes enter the Staley treatment plant at strengths 10-20 times normal domestic wastes. The plant reduces this to the PE of

*Turn to Page 4.*

# On The Move

HILBERT BELL from inspector foreman to field service technical representative, Consumer Products

PATRICIA COLEMAN from control report clerk to order coordinator, Consumer Products

VICKI FLEMING from billing clerk to flexowriter operator, Consumer Products

CATHY HART from messenger to work order clerk, Corporate Engineering

LEONARD KNOX from shift foreman pilot plant to shift foreman dextrose, Industrial Manufacturing

ALLEN KOLEFF from assistant director facilities planning to manager technical services, International

JAMES LOTZGESSEL from associate application chemist to application chemist, Research and Development

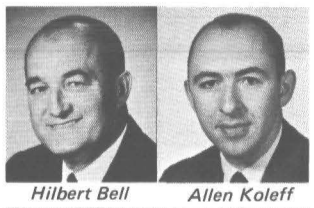
PAULA MARTIN from messenger to credit statement report clerk, Industrial Products

MICHAEL NOLAND from management trainee to management accountant, Industrial Products

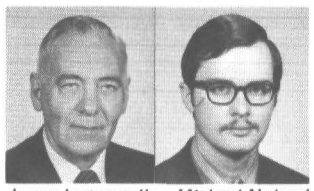
MARTHA POGUE from international stenographer to secretary to assistant treasurer, Financial

HAROLD RENSHAW from technical assistant, Products to commercial development manager, Research

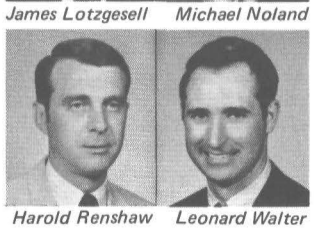
JOHN SCHWARTZ from plant messenger to shop clerk, AgriProducts



*Hilbert Bell* *Allen Koleff*



*James Lotzgesell* *Michael Noland*



*Harold Renshaw* *Leonard Walter*

PATRICIA SMITH from messenger to Jr. freight claims clerk, Corporate Transportation

LEONARD WALTER from management trainee to manager, sales order services, Industrial Products

# Soy Products Group Develops MIRA-TEX, the Food for Tomorrow

*Continued from Page 1.*

"MIRA-TEX[T.M.] came about through a closely knit, dedicated team," Wolff said. "We went through almost daily give-and-take situations as we worked on one of today's newest and most exciting food products."

It was the task of one team member – Bill Robinson – to work on the applications for textured vegetable protein.

"It was evident to me," Robinson said, "that this product had tremendous application as a food, especially as a meat extender. With the proper texture and flavor, we could simulate almost any meat."

While Robinson was developing applications, two other members of the team – Les Hayes and Pat Simms – were busy optimizing the process for the textured product. Hayes concentrated on processing studies in the laboratory while Simms devoted his attention to making the process work in a plant environment.

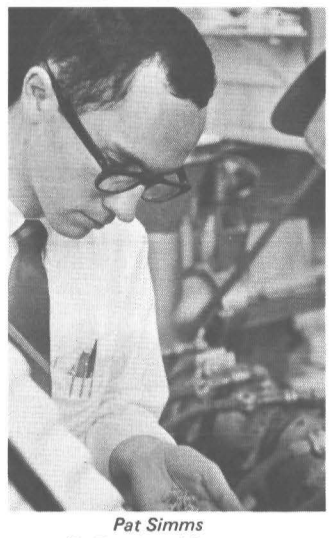
Both agreed that the major challenge was learning how to control the quality of the product.

"It had to have a better texture, faster water and flavor absorption, and better density characteristics than anything currently being produced," Simms said. "And it still had to remain bland.

"We found, at first, that production was an art," Simms added. "We couldn't predict the quality of the product. We used what we learned the day before to guide us in the next day's decisions."

"There was no written material," Hayes said, "for us to consult because the production of textured vegetable protein is such a new field."

Meanwhile, Wayne Pruiett, manager, commercial development, was in the market place



*Pat Simms*
*He Developed Process*

talking with the research personnel at various food processors.

"The preliminary acceptance of MIRA-TEX[T.M.] has been most favorable," Pruiett said. "Those who have looked at it like our product's blandness, texture, and rapid rehydration. They also see some cost advantages in using our product. We want food processors testing our product to suggest the properties they want to have improved."

Pruiett pointed out that one food processor was particularly impressed with an experimental chili formulation made in our lab.

"He tried the chili with MIRA-TEX[T.M.] in it and commented that it had a better flavor than his own commercial product," Pruiett added.

While this work was continuing, Frank Janes, product manager, was involved in developing a market strategy.

"Our industrial products sales force will sell the product," Janes stated. "We've introduced it to them in regional meetings."

In addition, the product was introduced to the Institute of Food Technologists Convention in San Francisco, May 24-27.

Lockmiller summed up the Company's entry into the textured protein market this way.

"MIRA-TEX[T.M.] is another product aimed at strengthening the Company's position in the soy protein field. We feel that textured protein will produce significant volumes and profit contribution in the not-too-distant future."

*Continued from Page 1*

## MIRA-TEX
### How It Got Here

In addition to MIRA-TEX[T.M.] the Company is also introducing textured vegetable protein products to be used in canned pet food. These products are offered under the name of VYTAL[T.M.]

Here is an experimental formula using MIRA-TEX[T.M.].

MEATLESS CHILI WITH BEANS

| | |
|---|---|
| MIRA-TEX 210 Textured Vegetable Protein | 5.25 |
| Salt | 0.37 |
| Beef Red Powdered Caramel Color | 0.11 |
| Hard Vegetable Fat | 4.50 |
| Tomato Paste | 7.48 |
| Vico-Asmus Onion Powder | 0.37 |
| TENDERFIL 8 Starch | 0.75 |
| STALEYDEX 333 Dextrose | 0.15 |
| Sugar | 0.37 |
| Vico-Asmus Chili Seasoning 96R-9 | 3.51 |
| Kidney Beans | 27.00 |
| Water | 50.14 |
| | 100.00 |

# Renovation, Air Conditioning Starts in Building 62

Interior renovation and air conditioning are underway in Bldg. 62 with a June 16, 1971 target date for completion.

In late May work began on 5E. The schedule for renovation is:

| Floor | Vacate | Re-Occupy |
|---|---|---|
| 5E | May 29 | Aug. 21 |
| 4E | June 23 | Sept. 2 |
| 3E | Aug. 23 | Oct. 28 |
| 2E | Sept. 6 | Nov. 12 |
| 1E | Nov. 1 | Jan. 13 |
| 5W | Nov. 15 | Jan. 27, 1971 |
| 4W | Jan. 17 | March 31 |
| 3W | Jan. 31 | March 31 |
| 2W | April 4 | June 6 |
| 1W | April 11 | June 16 |

John Stehr, coordinator of space allocation during renovation, emphasized that these dates are subject to modification as work progresses.

During renovation employees will be relocated within Bldg. 62 while work is progressing on their wing. A typical sequence is:

1. Employees vacate

Contractor:

2. Removes interior partitions
3. Removes ceiling plaster
4. Installs air conditioning ducts
5. Installs lowered ceiling
6. Builds new partitions
7. Paints
8. Installs carpet
9. Telephones installed
10. Re-occupied

The air conditioning that will be installed is truly "air conditioning." It will feature year-round humidity and temperature control. Other features that will be included in renovation are conference room on each floor, improved lighting, improved acoustics, and space for future office additions.

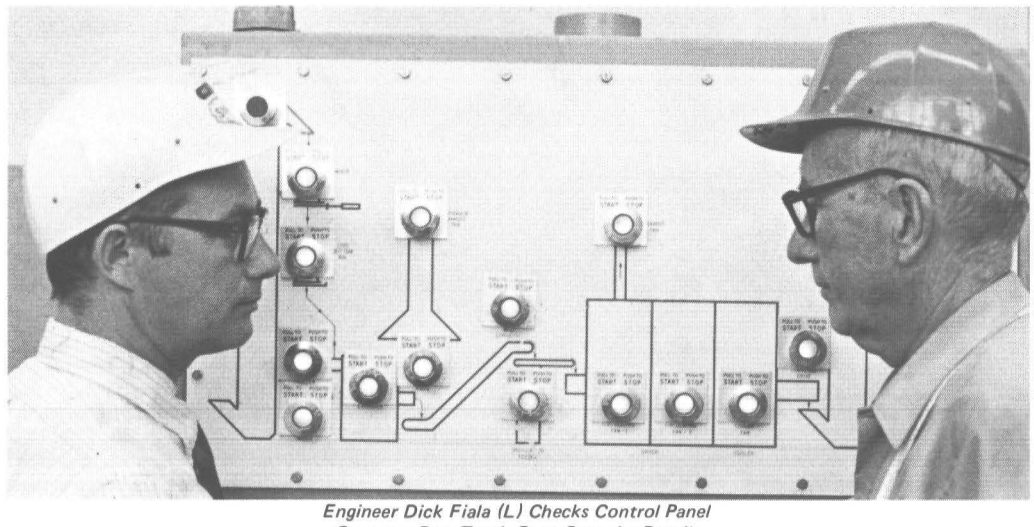
As announced in last month's Staley News, Marshall Field of Chicago has been retained to do the interior decoration and J. L. Simmons Co. of Decatur was awarded the contract for installation of air conditioning and renovation.

# 119 Employees Have Signed Up For Stock Plan

As of May 20, 119 full time, salaried employees have signed up for the Company's payroll deduction stock purchase plan. The average monthly deduction is $39.

Although the plan is open to all full time, salaried employees throughout the corporation, the great majority of those participating are employed in Decatur.

To get information on the program, contact Bill Robertson, Bldg. 62, 2-E, Ext. 620, Decatur.



*Engineer Dick Fiala (L) Checks Control Panel*
*Operator Don Tueth Goes Over the Details*

# Chairman Makes Division-by-Division Report

*Continued from Page 1*

In making a division-by-division report, the Chairman said:

**(Industrial Products)** "This division has done very well in the past fiscal year and so far in the current fiscal year. It's somewhat improved profit results have been achieved despite an appreciable amount of price-cutting.

**(Consumer Products)** "The Consumer Products group has shown somewhat improved profit results this year. In addition to selling our standard products, it is engaged in the exploration of the possibility of marketing new items, and we have high hopes for their future development and profitability."

**(AgriProducts)** "The results of this division have been excellent during the current fiscal year. This year there has been a surge of demand for both soybean meal and oil which has taxed the productive capacity of the industry. As this occurred, profit margins in soybean processing widened sharply and this year our soybean plants have been real money makers. This division is entitled to a major share of credit for the Company's improved profit results in this fiscal year as compared with last year."

**(Staley Chemical)** "The Staley Chemical division has been plagued with many problems. It's principal plant heretofore was in Cambridge, but the National Space Agency decided it wanted the area where the plant was for a laboratory where it could work in close alliance with near-by Massachusetts Institute of Technology. Proceedings were inaugurated to condemn our property and we were forced to move. To meet this need, a new plant has been completed at Kearny, N.J., and is now in operation. However, throughout the last fiscal year and in the current fiscal year, the increased costs brought about by this forced move have thrown the division into red figures. Recently its management has been changed and we are hopeful that it will not be long before we can change this losing venture into a profit-making one."

**(International Division)** "Most of the ventures are profitable although we have had problems with two of the plants that are now being straightened out. A new, wholly-owned corn refining plant is now under construction in the Argentine, and we are hopeful that his may come on stream by the end of 1970."

### Foods Brochure Available

A new brochure that tells the Staley food ingredients story is available from Public Relations, Decatur.

Entitled "Staley...Your Food Ingredients Center", the brochure features starches, sweeteners, flavorings and spices, proteins and oils, and customer service.

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**The Staley News is published monthly for Staley employees by Corporate Public Relations, Decatur.**

**Manager, Employee Communications . . . .Gerry Chatham**
**Chief Photographer . . . . . Lee Jeske**
**Assistant Photographer . . Roy Enloe**

# Pipe Shop and Yard Dept. Praised For Fast Repair of Blown Line

*Maurice Kapper (2nd from L) Directs Yard Dept. Crew (L-R) W. J. McMahan, David Jeschwitz, Larry Reynolds, M. E. Carter*

*Dale Born Measures Replacement for Ruptured Line Assisting Are (L-R) Max Napierski, Gil Kratzner, Don Klingler*

Fast response from the yard dept. and the pipe shop prevented a major plant shutdown recently when a main line to the plant's air supply erupted.

At 9 a.m. on April 28, the discharge line (on the southwest side of the Engine Room) from the Worthington air compressor to the main air receiver ruptured. It left the plant without a source of air supply for instruments and other pneumatic devices that are necessary in the manufacturing areas. It also meant no air for the master control panel in the generating station.

One of the first actions was to shut down all compressors so that there would be no danger to the pipefitters as they climbed down into the 12-foot-deep hole to repair the line.

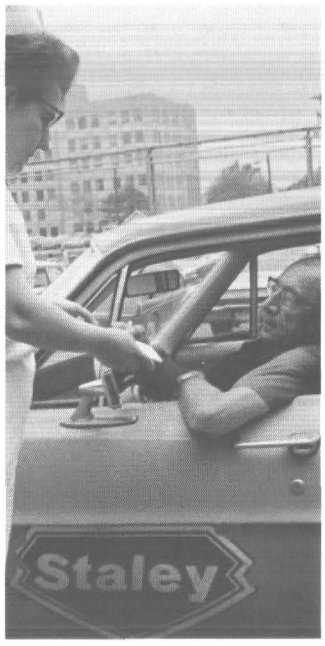
Simultaneously, portable air compressors were pressed into use for the control panel in the generating station and for the corn grinding operation.

The pipefitters, under the direction of Shelly Heiland, assistant foreman, pipe shop, worked feverishly to repair the line. Five hours later, at 2 p.m., the line was repaired and the compressors were back on stream.

By the next morning the yard shop crew, under leadman M. E. Kapper, had replaced the damaged rail track, and operations were back to normal.

'The yard dept. and pipe shop did a tremendous job in getting our air supply back on line in such a short time," Jim Cozad, plant services manager, said.

The cause of the eruption of the 12-year-old pipe has been tentatively identified as corrosion.




**SAFETY DEPARTMENT SELLS MINI ATLAS, FIRST AID KIT**

*Verna Zeigler, RN, head nurse, hands plant driver Jess Cohea his first aid kit and mini road atlas. These two items are for sale for $1.00 through the Safety Department. There is a limit of two per employee. You may pay cash or use payroll deduction. The mini road atlas (6" x 3½") contains road maps of all 50 states plus other pertinent information. The first aid kit contains material for minor cuts and scratches.*

## Information on Soybean?

Need information on the soybean industry?

Public Relations has four booklets that should help you. They are entitled: "The Story of Soy Protein," "Unlocking the Secrets of Soybean Yields," "The Story of Soybean Oil," and "Soybean Magic. . . the Story of Soybean Processing."

# WANT ADS

Want Ads will be a regular feature of the Staley News. You can get forms to submit items you want to buy, sell, or swap in the cafeterias (Bldgs. 62, 63, 77), Public Relations office, or the Main Gate House.

**For Sale, Household**

PORTABLE HOOVER VACUUM CLEANER, 2 years old, perfect condition. $25. Paul G. Griffin, 877-0494.

**For Sale, Miscellaneous**

TRAVEL TRAILER – 13', self-contained, stove, ice-box, excellent condition, sleeps 2. $950. James Melton, 428-1915.

# Clean-Up Contest Ends in Five-Way Tie

*The April Clean-Up contest ended in a five-way tie for first in the general division. Accepting the gift certificates for fried chicken that will be presented to the members of the shops are: Vernice Boyles (Electric Shop), Kenneth Foulks (Yard Dept.), Group V-P Nat Kessler, Paul Kalem (Oil Storage), Jim Galloway, Asst. Maintenance Superintendent, Maurice Clark (Paint Shop), Ervin Runion (Plant Clean-Up), Russell Helton (Brick Masons), Garth Cowgill (Instrument Control). In addition, Thomas Vigneri accepted the gift certificates for the Pilot Plant which won the process division.*

## Staley JA Team Wins Award

*Len Walter (L) presents a trophy to President Marty Roush (C) and Treasurer Marilyn Merrill. The two young ladies are officers of GAMACO, the Staley-sponsored Junior Achievement company that was selected company of the year in Decatur. Marty was also selected president of the year and Miss JA. Marilyn was selected treasurer of the year. Len, Manager, Sales Order Services, Industrial Products, is one of five Staley employees who voluntarily serve as advisors to the Junior Achievement program. Other advisors are Larry Cunningham, Transportation; Larry McLaughlin, Engineering; Tom Scott, Engineering; Ron Smith, Accounting.*

*Pictured are winners of the Decatur's Largest Independent bowling league. AAA league winners are (top photo L-R) Dale McClure, Lynden Etcheson, Elmer Lind, Cleo Hanson, and Glen Smith. Also on the team but not pictured are Melvin Grolla and Robert Burchard. National league winners are (bottom photo kneeling L-R) Howard Duncan, Cliff Martin, and Garreth Cowgill; standing (L-R) Larry Ward, Jim Parnell, Edwin Hale, and Richard Garfield.*

# THINGS ARE EXPANDING AT STALEY CHEMICAL

The long, arduous task of relocation, consolidation, and expansion are complete now, and for the first time Staley Chemical is manufacturing its complement of product lines at the same location.

Relocation was completed recently with the moving of UBS Chemical from Cambridge, Mass. to a modern, new 65,000-square foot production facility-warehouse at Kearny, N.J., on the doorstep of New York City.

Newark Leather Finish, already located at Kearny, now shares the new facility, using it as a centralized materials storage and shipping warehouse for finished products.

As part of consolidation, a quality control lab is located in the new facility. The lab serves the complex at Kearny as well as the other three Staley Chemical plants at Marlboro, Mass., Lemont, Ill., and Ajax, Ontario.

"The completion of this modern complex provides us with a central location to serve our east coast customers," Ed Freyfogle, recently appointed general manager said.

"In Kearny, we are also closer to the headquarters of many of our own raw material suppliers who are thus in a better position to give Staley Chemical efficient service," he said. "The experience we gain in using these new streamlined facilities should prove invaluable for dealing with future growth and expansion requirements as they arise," Freyfogle added.

The new facility was designed with ease of operation and materials handling in mind.

"It sure beats the cramped quarters we had in Cambridge," Bob McCarthy, adhesives first shift foreman said. "Now we can prepare a batch of adhesives in one of our churns by automatically pumping in the correct liquid ingredients. When the product is ready, we pump it into a holding tank," he added.

"The only major manual handling of materials is in the loading of the mill that prepares the basic rubber-based mixture for the churn and the transferring of this mixture to the churn," McCarthy added.

Staley Chemical
Facts at a Glance

*Location: Home office and central production facilities in Kearny, N. J. with production facilities also in Marlboro, Mass., Lemont, Ill., and Ajax, Ontario. Major Products: Finishes of all types for leather used in manufacturing shoes and handbags, garments and gloves, luggage and wallets, upholstery and other specialties.*

*Adhesives for construction and manufacturing uses, such as bonding veneers to wood or metal, bonding wood to wood, and attaching shoe soles to uppers. Contact cements and pressure-sensitive cements for general uses. Military specification adhesives for life boats, inflatable vests, and protective gear: such as the suits worn on the moon by the Astronauts.*

*Water-based emulsion polymers for synthetic products such as floor polishes, paints, leather finishes, printing inks, adhesives, and barrier coatings. Polymers that must produce the desired characteristics such as clear gloss and toughness in floor polishes; gloss retention in paints; and resistance to the passage of oxygen, water vapor, and oils in barrier coatings (such as barrier coatings for potato chip bags).*

*History: Staley Chemical was formed through the combination of UBS Chemical of Cambridge, Mass., which we acquired in 1959 and Newark Leather Finish which we acquired in 1968.*

*Number of employees: 145 (approx.)*

*A Portion of Staley Chemical's New 65,000-Square Foot Facility*
*New Building Is Shared by UBS Chemical and Newark Leather Finishes*

*Ed Freyfogle*
*General Manager*

### Minimum of Manual Handling

A similar set-up in the new building has been established for the manufacturing of polymers. The liquid materials necessary for the production of the polymers are stored in tanks outside and pumped into one of two giant reactors.

The rate of flow of incoming materials, the temperature, and the pressure inside the reactors are all controlled by an operator at a master control panel.

Upon completion, the finished liquid polymer is pumped into tanks for eventual shipment in tank trucks or 55-gallon drums.

The entire process requires a minimum of manual handling.

Although leather finish production is not in the new building, the materials handling and shipping functions are. And you have to understand the leather finishing industry to appreciate what a modern materials and shipping center means to this group.

"When a customer puts in an order for a leather finish today, he wants it tomorrow," Stanley Kovalisky, leather finish foreman, said. "So every minute counts," he continued. "This new shipping facility will give fast customer service."

In addition, customer service will be enhanced by the consolidation of the technical support group into a nearby Technical Center.

Technical Director Harry Cantor sees the consolidated Technical Center playing an important role in the effectiveness of his group.

"We can approximate, in these laboratories, not only the results of our own production units, but also, in many cases, the processes in which our customers use our products. This approximation varies from miniature replicas of our polymerization reactors and adhesive churns to full-sized spray-coating units by our leather finish customers. This will enhance our ability to serve our own division and our many customers in a very practical fashion."

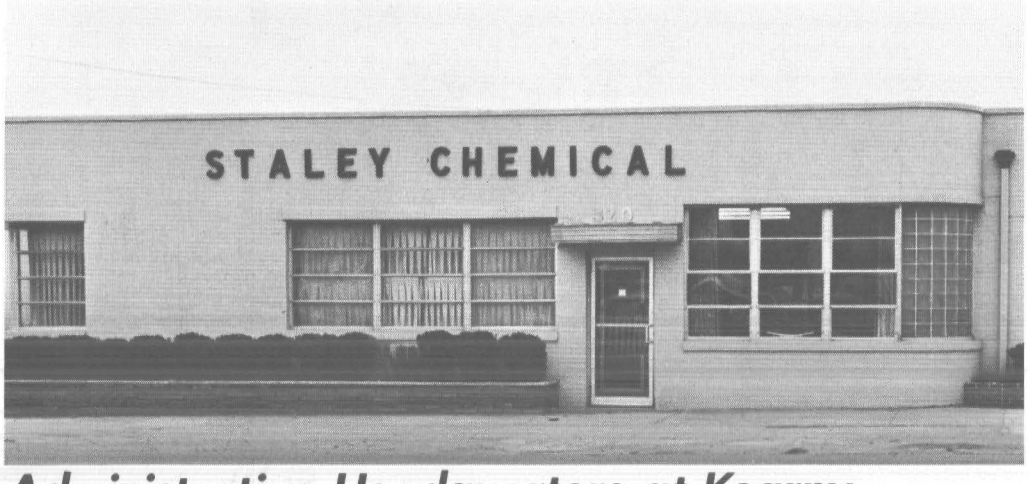
### Consolidation Helps

Consolidation, Cantor pointed out, has also assisted by reducing the travel time between locations, by providing a central point where sophisticated test equipment is available to all, and by facilitating interchange of information between the various sections. Since each product line – polymers, leather finishes, and adhesives – has its own marketing, development, and applications groups that work hand-in-hand with each other, day-to-day communications is important.

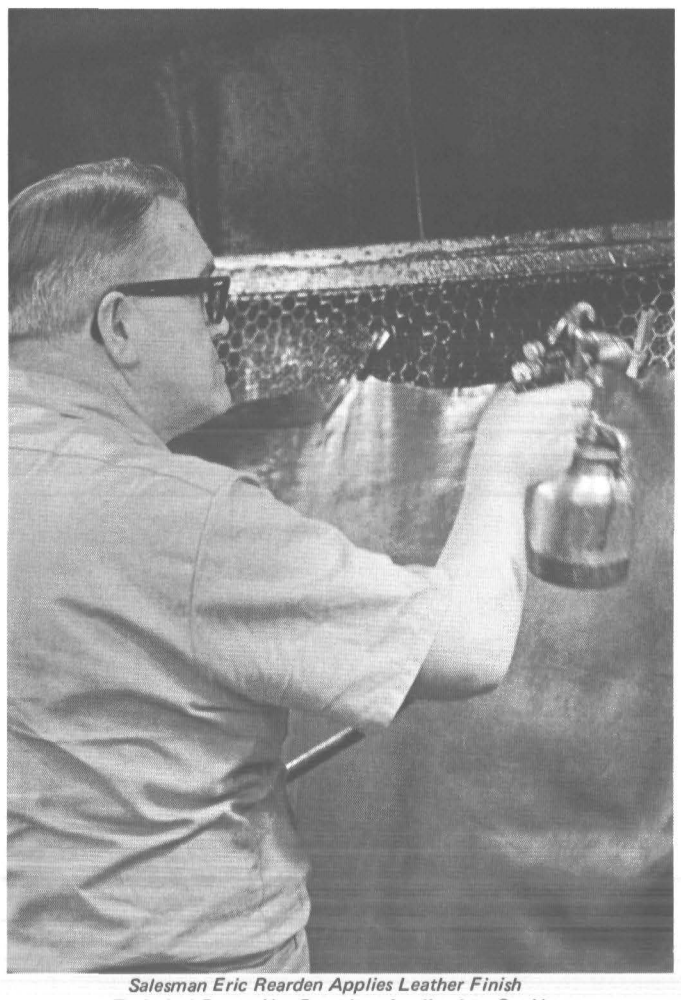
For instance, the polymer development group works with the leather finish and adhesives groups to provide polymers for them that will create the desired characteristics. And the polymer applications group does investigative work into the formulating of floor polishes and paints, two of the largest volume customers for the polymers.

So, things are changing at Staley Chemical – new facilities and a new general manager – as one of the corporation's newer divisions strives to command its share of the profit picture.

*Dennis Murphy*
*Pours Up an Adhesive Sample*




***Administrative Headquarters at Kearny***



*Salesman Eric Rearden Applies Leather Finish*
*Technical Center Has Complete Applications Set-Up*

### Staley Secretary Honored

*Estella Launtz, secretary to the Chairman of the Board, was presented a combination Alumni Merit-Loyalty Award by Millikin University at the school's annual alumni day activities program, May 30. The merit award was presented to her for "worthy achievement which has reflected credit upon Millikin University and its alumni." The Loyalty Award was presented for her "loyal service to Millikin University and its objectives and ideals." Such a combination award is presented rarely by the university, located in Decatur.*

# Decatur's Safety Record Rates Best Among 13 in Corn Industry

Decatur's disabling injury rate (DIR) is the best in the industry according to figures reported to the National Safety Council over the past six years.

Among the 13 leading manufacturers in the corn industry, Decatur has a DIR of 4.12.

The disabling injury rate (DIR) is an industry standard for measuring accidents according to frequency and severity. Decatur's frequency rate is 6.56 lost time injuries per 1,000,000 man hours worked. Its severity rate is 628 (number of days lost per 1,000,000 man hours worked). Both rates are determined using the past six years' figures.

The DIR = $\frac{6.5 \times 628}{1000} = 4.12$

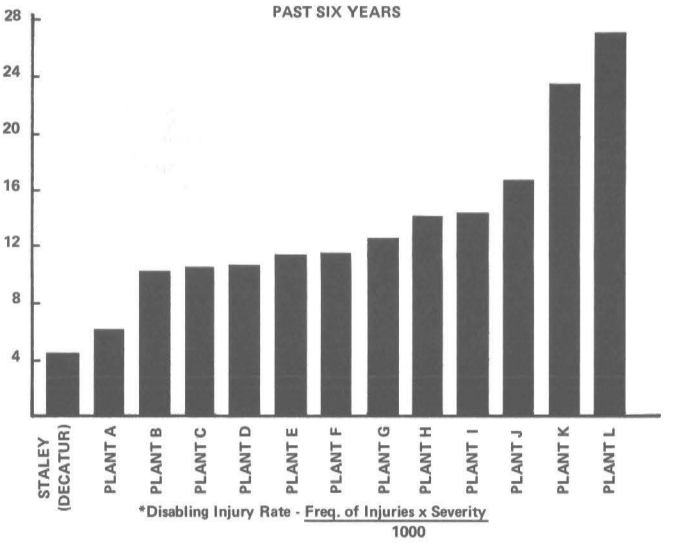
"These figures indicate the important role our safety program plays at Decatur," Don Brown, director of safety said.

"The factors that make us the best in this category in the industry are our first aid facility, our doctors and medical treatment, and a well-rounded safety effort by all employees at Decatur," he said.

"At Decatur we are interested in reducing the number of injuries and in minimizing the severity of such injuries. We can accomplish this through a continuing effort by all employees," Brown added.

Despite increased production and employment, Decatur's frequency and severity of accidents have generally declined over the past six years.

HOW DECATUR'S SAFETY RECORD COMPARES TO OTHERS IN THE INDUSTRY
DISABLING INJURY RATE*
PAST SIX YEARS




*Disabling Injury Rate - $\frac{\text{Freq. of Injuries x Severity}}{1000}$

# Staley Employee Develops Idea That Will Help Stop Accidents

An operator is guiding a walking-operated fork lift truck in close quarters. Suddenly the tongue pins his hand against the wall. The 2 3/4-ton fork truck keeps grinding forward against the operator's hand. Result: at least broken fingers.

But Eldo Reidlinger knew there was a safer way. So he had an automatically reversing button designed for the tongue of the fork lift. When the button senses the least pressure (like a hand pinned against a wall), it automatically reverses the direction of the fork truck, freeing the operator.

"It's something I've been thinking about for some time," Reidlinger, superintendent, soybean extraction plant (101 Bldg.) said. "The first button has been installed and tested. It works fine."

Don Brown, director of safety, is enthusiastic about the innovation. "We're planning to install it on all our walking-type fork lift trucks," he said. "We've also submitted this idea to the National Safety Council for use in their nation-wide newsletter on safety practices.

"It's an example of an employee analyzing a potential safety hazard and finding a solution," Brown pointed out.

*Eldo Reidlinger (R) Explains His Reversing Switch Bob Moore of the Safety Department Listens*

# Project Discard: You Can Help

PROJECT DISCARD . . . it's the way you can make your move associated with renovation of Bldg. 62 easier.

To participate in PROJECT DISCARD you simply discard any unnecessary records that are stored in your desk, filing cabinet, storage closet, or vault. And you consolidate duplicate files whenever possible.

Assistance in determining how long records should be maintained and when records can be moved to non-current storage is available through Bob Guynn, office services.

"We want to avoid moving unused records," said John Stehr, who's coordinating space allocation.

"As we reduce the space required for storage, we increase the room employees can use and enjoy," he added.

So far PROJECT DISCARD has paid dividends. A group from consumer products working with offices services cleaned out the 5E vault. Almost everything in the vault was discarded.

"That's the type of housecleaning we're looking for," Stehr said.

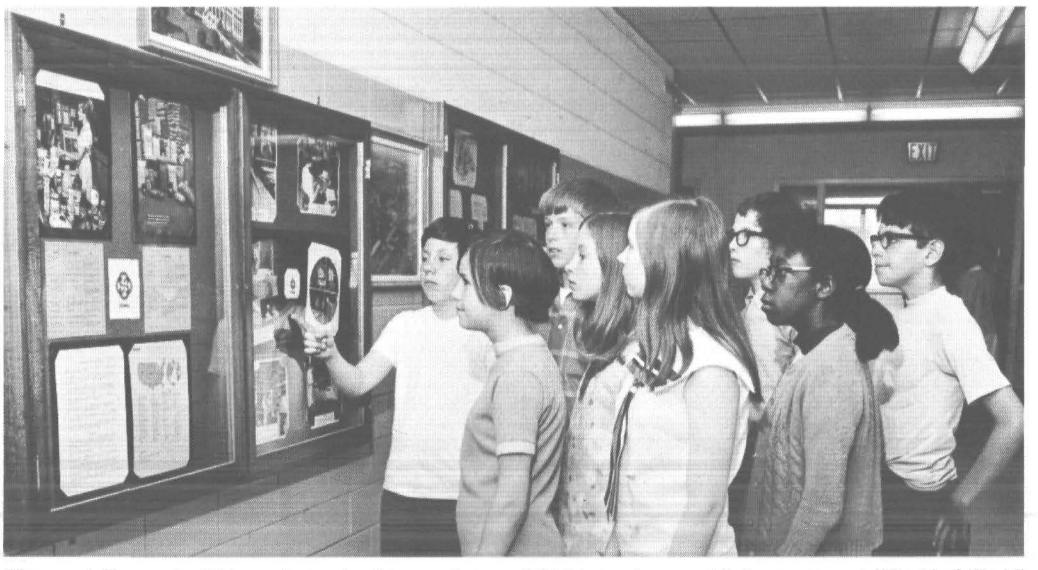
# Dr. del Valle Promoted

Dr. Frank del Valle has been promoted to senior applications chemist in the Food Products Research and Development Department of the Company.

He had been an applications chemist, working in food product development, with the firm since 1964. Previously, Dr. del Valle had been employed by Evans Research and Development Corp., New York.

A native of Argentina, he holds a bachelor's degree from Colegio C. A. de Marin, Buenos Aires, and a license in chemistry and a Ph.D. degree in chemistry from the University of Buenos Aires.

# Students Get the Staley Story



Thomas Jefferson Jr. High students, daughters and sons of Staley employees, visit the permanent "World of Work" display on Industry Row at TJ. The display features the Staley Company — its employees at work, products, and the manufacturing facility. Pictured (L-R) are Bob Sapp, Linda Burge, Mike Kahler, Robin Baker, Chris Bean, Richard Williams, Deborah Tatum, and Larry Owens.

# SERVICE ANNIVERSARIES

*Laurence Alverson*

*40 Years*

Laurence Alverson, Research and Development, May 1

James Todd, Keever, May 30

*25 Years*

Wallace Bean, Boilermaker, May 22

Herman Cook, Warehouse, May 31

Simon Harris, Machine Shop, May 7

John Wells, Grocery Products, May 22

*20 Years*

Joseph Reynolds, Office Facilities Planning, May 29

*15 Years*

Warren Carter, Purchasing, May 4

Benjamin Cochran, Engineering and Maintenance, May 2

*10 Years*

William Hagenbach, Research and Development, May 17

William Shelton, Research and Development, May 23

*5 Years*

Ray Ashcraft, Starch Process, May 17

Thomas Bly, Administration Building, May 12

Ricky Bradshaw, Steep House, May 3

Calvin Comp, Garage-Service Driver, May 12

Baird Daniels, Industrial Products, May 10

Charles Gallagher, Keever, May 24

Gary Grant, Control Lab, May 5

Richard Hanson, Industrial Manufacturing, May 3

Donald Hodges, Modified Starch, May 5

Martin Hurlich, Staley Chemical, May 24

Charles Jackson, Feed House, May 4

Judy C. Liewald, Consumer Products, May 18

James Ligon, Starch Shipping and Packaging, May 21

Leonard Massey, Thin Boiling Starch, May 3

Margaret Payton, Industrial Manufacturing, May 14

Burnie Ross, Keever, May 4

Richard Semelka, Instrument and Control, May 21

Dennis Stevens, Starch Shipping and Packaging, May 21

Fred Shaffer, Syrup Refinery, May 17

Harrington Shaw, Jr., Grocery Products, May 3

Harvey Smith, Keever, May 25

Daniel Stiles, Instrument and Control, May 7

Thomas Tyler, Starch Process, May 3

Laurence Voyles, Jr., Pipe Fitters, May 21

John Walker, Warehouse, May 3

Shirley Weger, Industrial Manufacturing, May 3

Edward Williams, Warehouse, May 21

Jose Zevallos, Staley Chemical, May 4

# Morrisville, Pa. Officials Visit

*Elected city officials from Morrisville, Pa., the site of the new Staley corn processing plant under construction, toured the Decatur Plant recently. Pictured are (L-R) Bob Schwandt, manager, industrial manufacturing; Council Vice President William Thompson; Councilman Edgar Solt; Borough Manager Robert Steward; Council President Michael Demech; Councilman John Hoffman; Jim Dustin, regional manufacturing manager; and Morrisville plant manager John Homan.*

# 'Decatur's Doing Exemplary Job In Controlling It's Liquid Wastes'

*Continued From Page 1.*

20,000. The reduced-strength wastes are then sent to the Decatur Sanitary District for final treatment.

The Company pays the Sanitary District to final treat the waste based on: volume, strength, and suspended solids. Of course, the Company pays its normal industrial property taxes (used for operation of the Sanitary District), and in addition, it pays its pro-rated share for the retirement of certain Sanitary District bonds related to the handling of our waste load. In 1969, the Company paid the Sanitary District a total of $120,000 in fees, taxes, and bond retirements.

Expansion over the past 17 years has put strains on the waste treatment plant in spite of several additions to our treatment facilities. So the Company has continuously searched for ways to reduce this strain.

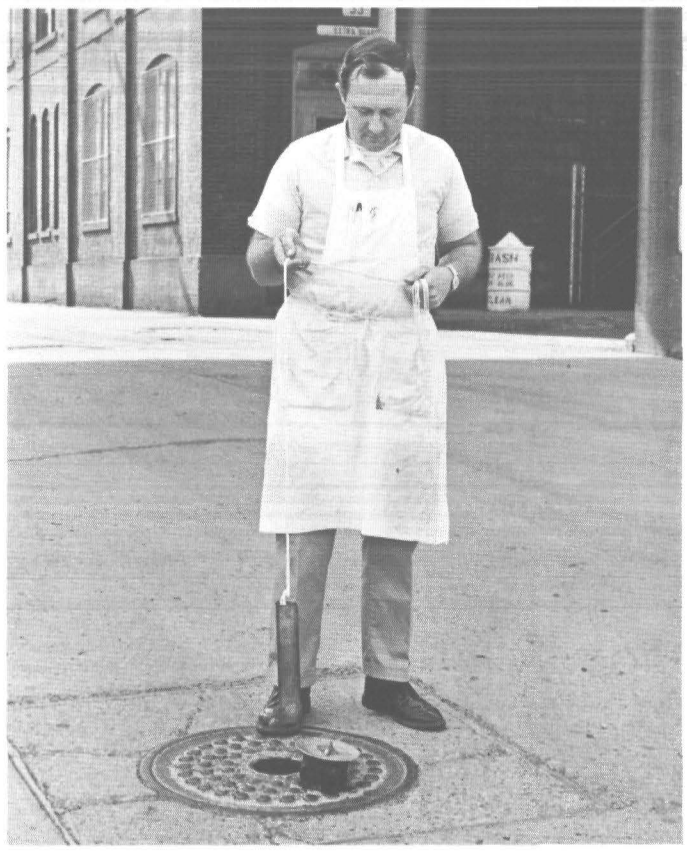
One method that has proved to be successful is the enforcement of a "shut-down" policy. Kessler explained how the shut-down policy works.

"We consider process loss control and production as equally important. Production may not continue if emissions exceed limits of good control. Any unusual sewer emission is detected and the department involved is notified immediately so that it can be found and stopped. When a loss in excess of the limits is detected by our monitoring group, the unit is shut down until corrective action is taken so that the limits can be met."

**Production Personnel Praised**

Kessler pointed out that the "shut-down" policy has had to be exercised only four or five times a year. "It shows how dedicated our production units are in containing their losses," he said. "I give credit to our people and especially to Bob Schwandt (plant manager) and Tom Wheatley (production manager corn milling) for our success here."

In this program, the Quality Control group takes approximately 200 samples daily and performs over 600 analyses to ensure that wastes do not exceed the established standards.



*200 Samples of Process Wastes Taken Daily*
*Howard Byers Takes Speciman for Laboratory Analysis*

Another method that has proved successful in increasing the capability of the treatment plant is the engineering and research done in developing the proper treatment for new processes.

"We try to eliminate as much waste as we can through better design of the new processes," Bob Popma, corporate chemical engineer said.

Part of the R & D work on new products is to determine the proper treatment for a new process, so that we can control the wastes or find the treatment.

One problem that came to light recently with the new emphasis on "thermal pollution" is the Company's practice of returning water used in cooling to Lake Decatur.

"The water we return to the lake is only a few degrees above the temperature of the lake water," Kessler said, "and it contains no contaminents. However, recognizing that future needs might necessitate removing even this small amount of heat, we have been examining engineering solutions."

In summing up Decatur's efforts in producing clean water Kessler said, "By any comparison with today's or forseeable requirements, we are doing an exemplary job in controlling our liquid losses, and we are a model for the corn milling industry."

# Retirements

PETE B. NOLAN, Switchboard Operator, May 31

PAUL J. PETERS, Line Machine Man, May 31

BEATRICE GLEESON, Process Formula Clerk, Staley Chemical, Cambridge, Mass., April 17

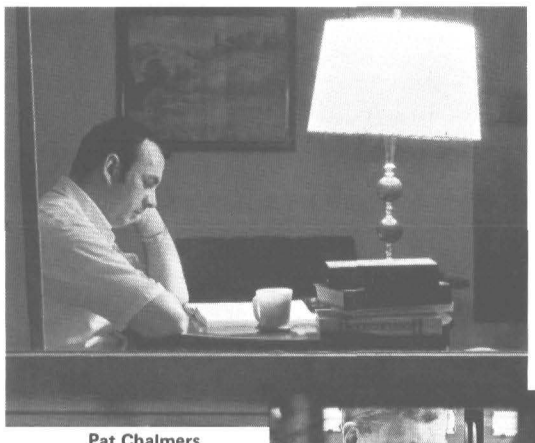
# Information Changes

Two changes have been announced in the Corporate Information Systems division that will affect personnel who use this service.

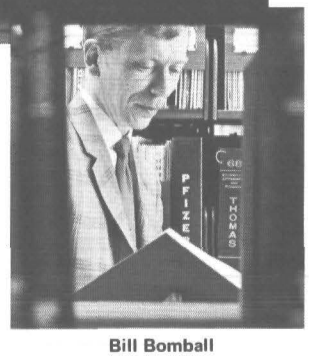
Chuck Lemker has been named manager, business systems planning, and Bud Colter has been named manager, corporate computer center.

Questions and problems relative to work done in the computer center should be referred to Bud. Chuck will work with management throughout the Company to develop, coordinate, and maintain on a current basis long-range business systems plans, including the conduct of appropriate feasibility studies. He also will guide the planning and installation of electronic data processing equipment at other locations and provide for periodical evaluation of such installations.

# Employees. Fathers. Students.



Pat Chalmers




Bill Bomball

Pat Chalmers. Rail Coordinator. Husband. Father. Student.

Bill Bomball. Associate Research Chemist. Husband. Father. Student.

Pat attends Millikin University by day and works evenings at Decatur in the west scale house.

Bill attended Millikin at night and works days in the research center. This spring he was graduated with a BS degree in Science. It took him ten years. That's perseverance.

They're both dedicated to self improvement. And their company is helping them out through the Tuition Aid program. They're just two of many Staley employees receiving aid.

If you're interested in self improvement that is of direct benefit to the Company (and you're willing to persevere), contact your supervisor and get the details on the Company's Tuition Aid program.

**It's smart to go to school.**

*Staley Mfg. Co.*
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*Decatur, Ill. 62525*

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