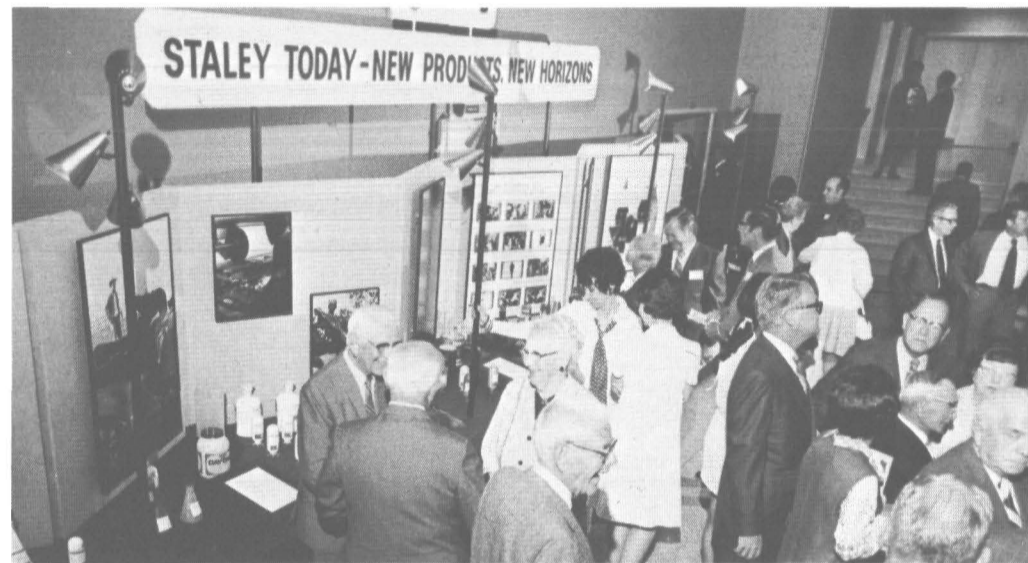


**Chairman, President Tell Shareholders:**

## “Expansion, New Products Keynote Optimistic Long-Range Outlook”



Shareholders Visit the Display of Staley Products before Entering the Annual Meeting

## New Emission - Control Program Focuses on Feed Dryer, Boiler Stacks

Continuing with its pledge to produce clean air, the Company is launching a new \$600,000 program aimed at better control of emissions from two of its most perplexing sources—the boiler and feed dryer stacks.

The program consists of:

- 1) the installation of fly-ash-collecting cyclones on four coal-fired boilers

- 2) the conversion of a third coal-fired boiler to natural gas and oil

- 3) the installation and evaluation of particulate and odor-control equipment on one feed dryer stack

The net results of parts (1) and (2) plus the previous conversion of two coal-fired boilers to gas will be a 50 per cent reduction in fly ash and a 33 per cent reduction in sulphur dioxide emissions, both well within state standards.

**Completion By Summer, 1972**

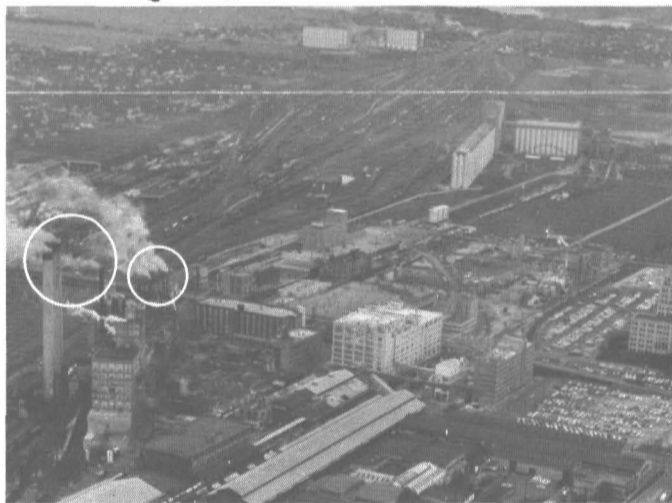
The cyclone installation, scheduled for completion by late summer, 1972, is an alternative solution to the Company's original plan for converting all its boilers to natural gas. This plan was suspended at two boilers when the Illinois Power Company said last summer it could not supply a sufficient quantity of gas for total conversion.

Speaking on the new boiler program, Nat Kessler, the group vice president whose responsibilities include pollution abatement, said, "In anticipation of state approval and in the interest of proceeding as promptly as possible in a program delayed by circumstances beyond our control, we are ordering equipment immediately."

The adoption of this alternate solution does not mean that the Company has withdrawn its appeal before the state power commission, challenging Illinois Power Company's decision.

"It now seems wise," Kessler said, "to proceed with this alternative approach on the chance that our legal efforts are unsuccessful."

Design and installation of the cyclones will be handled by



New Emission-Control Program Aimed at These Sources  
Three Boiler Stacks (Left) and the Feed Dryer Stacks

the engineering consulting firm of Burns and McDonnell, Kansas City. Original engineering work was done by Staley engineers Don Thompson and Bob Nisbet.

As part of the cyclone installation, a fly ash removal system will also be employed. Instead of washing the fly ash into the plant's waste water system, dry removal and disposal to the Company land fill will be used.

### Will Increase Operating Costs

The boiler conversion will decrease emissions, but it will increase significantly the Company's operating expenses. Since Illinois Power has refused to supply more than a limited quantity of natural gas, the boiler will operate on the average using 50 per cent oil and 50 per cent gas. When no natural gas is available, it will be switched to 100 per cent low-sulphur oil.

According to director of engineering Roger Mauterer, it will cost the Company over \$300,000 annually in additional operating expenses over and above what it would have cost for a purely natural gas boiler.

Estimated completion date for the boiler conversion is February, 1972.

Commenting on the feed dryer emission abatement test, Mauterer said the system "has real possibilities for solution of

one of the Company's most perplexing problems—odor and particulate emissions.

### Experience Paying Off

"Over the past several

(Turn to Back Page)

## Lower Margins Will Affect 1971's Second Half Profits

The outlook for long-range growth looks optimistic, but current lower processing margins is adversely affecting profits in the second half of this fiscal year, Chairman A. E. Staley, Jr. told shareholders at the annual meeting, May 10, at Decatur.

Addressing a record turnout of more than 200 shareholders at the Research Center, the Chairman attributed the optimistic long-range outlook to expanded production facilities—including new corn refining plants in Argentina and Morrisville, Pa.—and new product developments.

Looking ahead, the Chairman said, "Before our next fiscal year is over, we should be reaping benefits from both the Argentina and Morrisville plants. And new products which are under test, under study or development, appear quite promising. Thus in the years ahead we feel confident that our Company will continue to show improved net profit."

### Cost-Reduction Redoubled

On current operations, the Chairman said that cost-reduction efforts were being redoubled in an effort to offset pressures on profits which are principally the result of higher raw material costs and intense price competition in bulk commodities.

In reviewing the past six months' performances and future outlook of each profit center, Mr. Staley made the following remarks.

**Industrial Products:** "Unfortunately, prices are lower and profit margins have been eroded by exceptionally keen competition. Nevertheless, we believe that this very important profit center will have a good year for the fiscal year ending September 30."

**Consumer Products:** "It looks like this center is going to have a better year, with good volumes and improved profit results. In addition, several new

products are now being tested, but we won't expand sales of these new items until all the data from the test marketing has been assembled and studied."

**AgriProducts:** "Volumes and profits have been excellent for the first six months of the fiscal year, but it is not likely that they will be as good in the final six months. Profit margins are much lower than they were earlier in the year, although our people believe that there will be some improvement during the summer months."

**International:** "The older, established joint venture plants abroad have been doing very well. There have been some problems in the English plant because it has been necessary to completely modernize that unit. Nevertheless, operations are better now and the outlook ahead is reasonably good."

"I regret to report that it was necessary for the Company to close its very small corn refining plant in Honduras... The plant is now being offered for sale."

Speaking about the new Argentina plant, he said, "The Staley Company is a new entry into Argentina, so we have to start from scratch in building up a sales volume. Naturally this cannot be done in the first few weeks, and the plant will probably operate at partial capacity until sales has an opportunity to develop the market."

(Turn to Page 2)

## Dividend Declared

A regular quarterly dividend of 35 cents a common share, payable June 4 to shareholders of record May 24, was declared by the Company's directors May 11.

In other business at the directors' meeting, all 17 officers of the Company were re-elected for the coming year.

## 1+1= 2? Not So As Ken Wright Discovers with Two New Feeds

One and one is more than two... as AgriProducts technical director Ken Wright discovered in analyzing components of the traditional animal feed ingredient, corn gluten feed.

By separating the corn feed stream and recombining the components in new proportions, Wright developed two new products that offer greater feeding value and profit margins than gluten feed alone.

Called DSLC (Dried Steep Liquor Concentrate) and HF-10, the two new products are tailored for specific applications—DSLC primarily for the poultry industry and HF-10 chiefly for dairy and beef rations.

Composed of the corn gluten feed components, steep liquor solids, germ meal, and bran, DSLC offers the feed mixer the following advantages:



Ken Wright  
With DSLC, HF-10

it's high in metabolizable energy; has an excellent amino acid bal-

ance and content; and is a good source of vitamins and minerals as well as unidentified growth factors.

HF-10, made up of primarily the remaining corn bran and fine fiber, has a high total digestible nutrient content for ruminants.

DSLC's high energy value and 30% protein minimum make it economically and functionally competitive with mixtures of corn and soybean meal. Likewise, HF-10's high total digestible nutrient content and 10% protein minimum places it in competition with other energy sources such as corn, barley, oats, milo, and wheat.

Corn gluten feed has recognized advantages as a cattle feed," Wright said, "but from an economic standpoint it is less

(Turn to Page 2)

# Shareholders Hear Chairman's Report on Morrisville, Clean Air Efforts

Continued from Front Page  
On Morrisville

By far the Company's most important construction project underway is the new corn refining plant in Morrisville, the Chairman said.

"Like everything else these days, the plant is costing us more than we originally anticipated, but it is nearing completion. A December or January startup appears probable, although some of our more optimistic people believe we can begin partial operation by Thanksgiving."

## On Clean Air and Water

A major portion of the Chairman's address involved what the Company has done and is doing to produce cleaner air and water. Thus far, he said, the Company has authorized \$7.5 million toward this effort, and of this amount \$5.1 million has already been spent.

"These expenditures do not and will not produce profits," the Chairman said. "However, the Company wants to be a good citizen and do its part in the production of an improved ecology in our nation."

He summarized the Staley effort to convert all of its coal-fired boilers to gas, an effort that has been suspended because of the local utility's inability to supply a sufficient quantity of natural gas.



Catching Up on News During Leisure Moment

He also announced that the Company is installing experimental equipment on one of the feed dryers in an effort to reduce smoke and odor emissions.

"We hope this experiment will prove successful," he said. If it doesn't, we will have to find a different solution, but I can assure you that we are doing all that we can possibly do to solve it."

## President Underscores Optimism

Following the Chairman's report, President Donald E. Nordlund underscored Mr. Staley's note of optimism for

the Company's long-range growth.

"Certainly this has been foremost among our goals," he said, "and concrete evidence of progress is close at hand."

Commenting on unprecedented numbers of new products, the President indicated that these new developments symbolize what he considers an outstanding partnership of research and marketing, which team to recognize and meet emerging customer needs—growth markets for proprietary products which, unlike bulk lines, are not subject to destructive pricing practices.

On the consumer level, Mr. Nordlund pointed to attractive new packages and improved products designed for today's tastes, as well as new products, two of which are now in test marketing.

Commenting on earnings, the President said, "Indeed there are some pressures on current earnings, and I think we're probably a year away from major contributions from current new developments, but from that point forward I think you're going to be very pleased with our earnings growth and future outlook," he concluded.

In other annual meeting action, all current directors were re-elected. In a meeting the following day, all Company officers were re-elected by the Board.

## SERVICE ANNIVERSARIES

### 35 Years

JOHN GUYSINGER, satellite shop-east end, April 18  
WILBUR JOHNSON, machine shop, April 22  
RAYMOND MC GLADE, millwright, April 23  
JERRY O'RILEY, night superintendent, April 22

### 30 Years

WILLARD BLAASE, pipe fitters, April 15  
WAYNE BLICK, foreman, wet processing, April 17  
OLIVER COMPTON, bulk syrup, April 16  
CLYDE CRAWFORD, sheet metal shop, April 14  
LOWELL DAVIS, control lab, April 16  
DONALD DUGAN, shift foreman, 9 bldg., April 18  
DALE DURNIL, millwright, April 15  
EARL ESCHBAUGH, JR., yard department, April 17  
HAROLD GARNER, pipe fitters, April 17  
BARTON GHARRETT, power house, April 15  
JOHN JONES, dextrose hydrate, April 14  
EUGENE KALER, feed house, April 15  
ROBERT KLEIN, cost and materials supervisor, corporate engineering, April 14  
EMERSON LAWHORN, pipe fitters, April 15  
CARL LEMING, inositol plant, April 15  
JAMES MC LAUGHLIN, satellite shop-east end, April 18  
GLADYS MIER, freight clerk, Industrial Products, April 7  
WILLIAM MOOREHEAD, plant protection, April 17  
ARTHUR PETERSON, foreman, 16-116 bldgs., April 15  
CLARENCE RADER, millwright, April 15  
RAYMOND REINHOLD, sheet metal shop, April 14  
CHARLES SAMPSON, pipe fitters, April 18  
WOODROW WALLER, feed house, April 15

### 25 Years

GEORGE HENSON, JR., elevator C, April 29  
EDWARD KNEELAND, Staley Chemical, April 22  
DAVID ROSENTHAL, properties supervisor, corp. accounting, April 23

### 20 Years

JAMES MATTHEWS, eng. draftsman, corporate engineering, April 1  
HAROLD SAYRS, office manager, Gunther products, April 21

### 15 Years

DAVID VANFIELD, boiler makers, April 25



David Rosenthal

RUSSELL FOSTER, oil refinery, April 24

JON HOSLER, yard department, April 27

HAROLD MARTIN, instrument and control, April 24  
HENRY STALEY, treasurer, April 23

### 10 Years

WILLIAM HEBENSTREIT, technologist, research and development, April 5  
FRANCIS PERSON, JR., manager, polymers, Staley Chemical, April 3  
SAUL ROGOLS, manager, process development and quality control, Kever, April 17  
RICHARD WINKLEBLACK, accountant, corporate, April 18

### 5 Years

LINDA ANDERSON, stenographer, Agriproducts, April 4  
CLIFFORD BRAGG, warehouse, April 20  
HOWARD BYERS, control lab, April 18  
HENRY DAVIDSON, warehouse, April 20  
JAMES EASTMAN, chemist, research and development, April 1  
HAROLD ENGLAND, extra board, April 18  
GERALD FREEMAN, Kever, April 30  
LYLE HASTINGS, oil refinery, April 18  
JERRY ISAACS, refinery, April 18  
HAROLD KRAUS, chemist, research and development, April 1  
SHERYLE KUIZINAS, asst. analytical chemist, research and development, April 4  
KENNETH LAWHORN, warehouse, April 20  
CHARLES PHEGLEY, employment assistant, industrial relations, April 29  
SHARON REYNOLDS, control clerk, corporate information systems, April 1  
ALBERT RICHESON, feed packaging, April 6  
ROBERT SCHEIBLY, inositol plant, April 6  
SAM SHANKLIN, sales mgr., specialty feeds, Agriproducts, April 1  
TIM SHEEHAN, warehouse, April 27  
GEORGE SMITH, JR., sales rep., L.A., Industrial Products, April 23  
LINDA SONS, stenographer, St. Louis office, Industrial Products, April 27  
WILLIAM SZACHNITOWSKI, warehouse, April 27  
HELEN TOLMASOFF, admin. secretary, L.A. office, Industrial Products, April 27

## New Products Introduced at IFT Show



The Staley booth at the Institute of Food Technologists show in New York, May 23-26, was a popular attraction. The reason? Staley introduced IsoSweet, the new sweeter corn syrup to be manufactured at Morrisville, Pa., and Thin-N-Thik, the new modified starches used in retort canning. In addition, seasonings and flavors—from Vico-Asmus and Redd Labs—received attention, as well as Staley-produced proteins.

## New Ingredients Announced

(Continued from Page 1)

valuable in poultry feeds.

"By separating the corn gluten feed into its components and tailoring those components for specific applications, we have developed a higher-value poultry feed ingredient, and a cattle feed ingredient that competes favorably with other grains and their by-products.

"The result is better feed ingredients for the customer and better profit margins for the Company."

Acceptance in test markets among feed mixers has been "very good" according to Bob Emmons, corn feed sales.

"We anticipate that after we achieve 100% production capability, we'll eventually be able to sell all that we can make, phasing out corn gluten feed," Emmons said.

"We can make this prediction," Emmons said, "because of the excellent acceptance we received from feed manufacturers when we announced the two new products. Those of us in corn feed sales feel that Ken Wright has come up with two very good products."

### Value Analysis—It's Staley's Method of Pricing Feed Ingredients

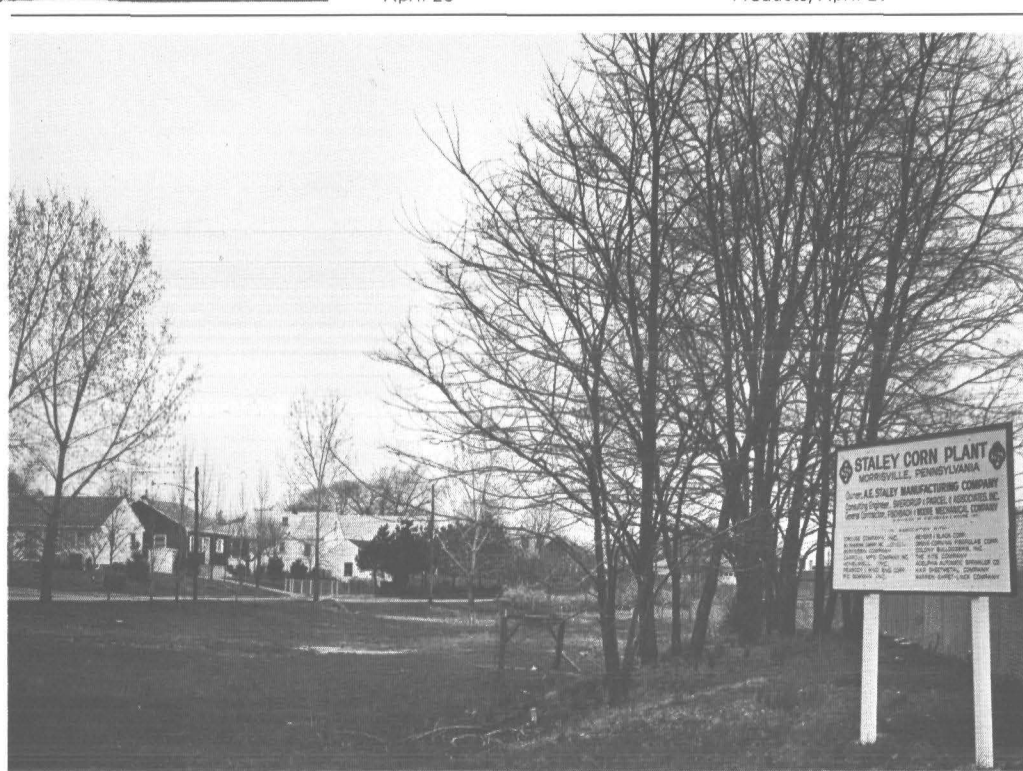
Value analysis. It's AgriProducts' method of pricing feed products—such as the recently-announced DSLC and HF-10—on a "known nutrient" basis.

Value analysis works like this.

Using input from six different major shipping destinations, AgriProducts analyzes weekly the nutritional values and market prices of the various feeds ingredients mixed by regional manufacturers.

Through predetermined formulas and computer assistance, these regional figures are compared to our own products' nutritional value, and prices are evaluated accordingly.

The result is that AgriProducts has an up-to-date and competitive price for all of its feed products.



Adjacent to West Side of Staley Morrisville Site, This Strip of Land Has Been Donated to the Local Borough

## Company Leases Park Land to Morrisville

MORRISVILLE, Pa.—The Company has leased a 2.6-acre strip of its land to the borough of Morrisville, Pa., for recreational use and has donated \$1,000 toward outfitting it with playground equipment.

Located along approximately 1,400 feet of the western boundary of the property on which the Company's new corn refining plant is being constructed, the land was leased to the borough for ten years at a token amount of \$1. The lease is

renewable annually after the ten-year period.

In accepting the park ground, mayor Joseph Catania said that some recreational equipment should be installed this summer.

# Meet the Team That Gets Staley NOW to You Daily

"How is it," the caller on the other end said, "that we can have a power failure at 9:15 and read about it in Staley Now at noon?"

The answer is simple: because a group of dedicated employees has accepted the challenge of turning out the daily news sheet, establishing a new dimension in communications for Decatur employees.

Designed specifically to tell Decatur employees daily what's happening and who's making it happen, Staley Now originates in the editor's typewriter before 8 o'clock each morning.

After checking with various information sources before 10:30 a.m., the information is drafted and turned over to the first vital person in the production sequence—public relations' Sharon Walker who turns some hastily written scratching into a cohesive, smoothly typed sheet ready for the print shop.

Sharon's first contact in the print shop is Dick Hathaway. In approximately two minutes he turns the news sheet into a master plate, and gives it over to the multilith operator.

Mary Paxton then loads the plate, sets the multilith machine for the desired number of copies, and runs a few copies that she inspects for quality.

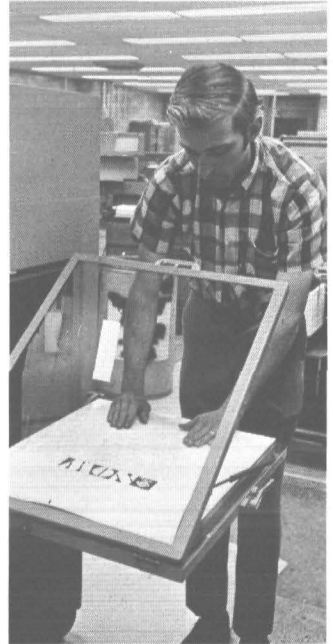
Once Mary sees that she's getting good print reproduction, she starts the daily run. Approximately ten minutes later she's finished and heading with 1,300 copies for the messenger office.

Here there are anywhere from six to ten nimble hands awaiting the counting and envelope stuffing. While the messengers are counting and stuffing, another begins distributing the sheet in the administration building. Thirty minutes later the news sheet is posted or on its way to the mail room.

In Chuck Willard's mail room, plant messengers sort the envelopes for plant delivery.



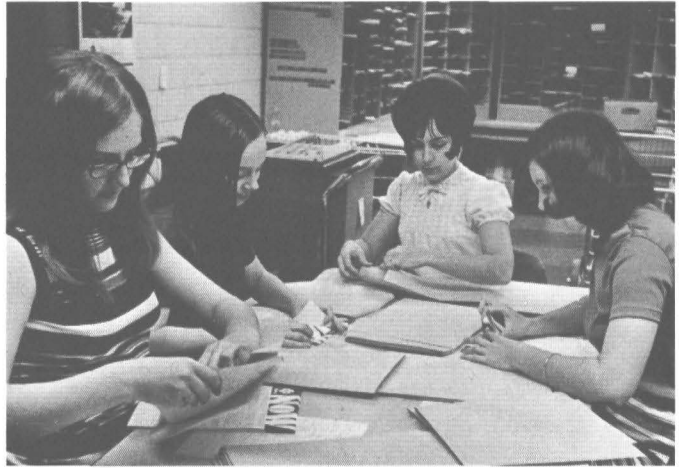
Staley Now Starts in Public Relations Each Morning  
Editor Gerry Chatham and Sharon Walker Prepare the Master Sheet



Dick Hathaway  
Makes the Plate



Mary Paxton  
Runs 1,300 Copies



The Messenger's Nimble Fingers Count and Sort  
It Takes Approximately 20 Minutes at This Stop

These messengers then distribute Staley Now on their normal daily mail routes.

Without this synchronized

effort, Staley Now would be impossible. But because the team has accepted and met the challenge, you are kept abreast

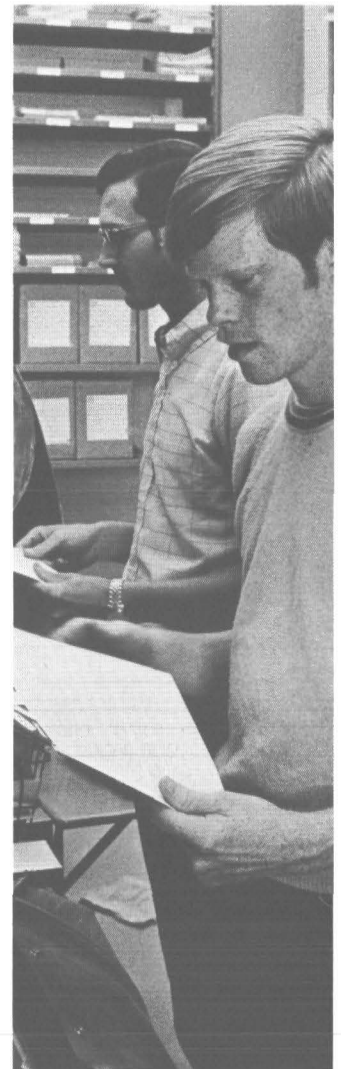
of happenings within your Company only hours after the events themselves take place.

Those of us who produce Staley Now daily are interested in knowing what you think about the new publication. Next time you read a copy, jot down your thoughts or suggestions on the back and send it to: Staley Now, public relations, 62 bldg. 1-W.

## Staley Leagues Complete Their Bowling Season

The three bowling leagues made up of Staley employees recently completed their 1970-71 seasons.

Winning teams are Monday night's DLIL National league (top picture) L-R Paul Mrotzek, Jerry Gersmehl, Russ Dash, Floyd Adcock, Bob Swift, Jim Stowell; (middle picture) Monday night's DLIL American league winners (Front row L-R) Robert Murphy, Bill Pasley, Denzel Nixon; (Back row L-R) Jerry Dilbeck, Paul Nixon, Gene Nixon; (Bottom picture) Friday night's DLIL league (Front row L-R) Steve Martin, Joe Gibson, Charles Cox; (Back row L-R) Bruce Welch, Ray Bundy.



Sorting for Plant  
Dave Wilson, John Rinebold

## Retirements

HARRY AUGUSTINE, assistant foreman machine shop, April 16, 1971

IRVIN COX, engine room foreman, April 15, 1971

PATRICK MC GARRY, inspector, April 30, 1971

DONALD PYGMAN, shipping clerk, April 30, 1971

GLENN SCOTT, senior mechanic, April 30, 1971



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



International Vice President Bob Schuerman Delivers the Inauguration Address During Ceremonies at the Company's New Corn Refining Plant in Argentina

## Staley Argentina Inaugurated-- Latin American Style



Senores Frangi, Beloqui Untie the Ribbon  
Staley Argentina General Manager John Shroyer in Background

CHACABUCO, Argentina—*Inauguracion. Discurso. Bendicion. Asado.* All Spanish and all descriptive of the tradition and color that goes with inaugurations—Latin American style.

On April 24 the festivities were focused here in this city of 30,000 on the inauguration of Staley's new corn refining plant.

A day-long affair, inauguration begins with a discurso—a speech. The discurso for the Staley Argentina ceremonies was delivered by International vice president Bob Schuerman and general manager John Shroyer.

### Ribbon Untieing

Following the discurso, tradition calls for a ribbon untieing—not a ribbon cutting—by someone of importance. Thus Senor Beloqui, president of the Buenos Aires grain exchange, and Senor Frangi, secretary of economy, Buenos Aires, performed the ceremony.

After the ribbon untieing comes the bendicion—the blessing. No Latin American would consider working in a plant unless it had been properly blessed.

After the priest delivered the blessing, the 250 guests—many of whom were brought from Buenos Aires by a special four-car train—toured the new corn refining facility.

They confirmed what Schuerman had said in his



Visitors Tour The Modern, New Refining Facilities

discurso was "the most modern corn refining plant of its size in the world... the result of 70 years of Staley know-how."

The tour completed, the guests and hosts capped off the day with an asado—roughly equivalent to an LBJ barbeque in the states.

### A Mixed Grill

The menu? A mixed grill of all the parts of a steer. All? "All" attests Schuerman, with a slight trace of a smile.

Many hours and many ole's later, the plant is considered "inaugurated."

According to our International employees who've participated in an asado, it's quite an experience... especially back-to-back since Staley threw another one the following day for the employees and their families.

That's inauguration—Latin American style—a grand send-off for the tough marketing job that now confronts Shroyer and his asociados, as they work to establish Staley in this new market.



A Catholic Priest Delivers the Blessing of the New Argentine Plant



An Argentine Asado  
Grilling on the Coals

# New Benefits Booklets Mailed to Hourly Employees

A series of three booklets outlining benefits available under the employee benefit association and retirement plans was mailed to Decatur hourly employees last week. Benefit im-

provements covered in the booklets and mentioned below were agreed to in last fall's contract settlement. Improvements noted in the "Plan A (Hospital-Medical-

Surgical" booklet are:

Increase in hospital room-and-board allowance from \$30 to \$35 per day. Increase in basic surgery coverage from \$350 to \$420. Addition of outpatient diagnostic x-ray and lab benefits of \$50 per person for each calendar year. Increase in major medical maximum from \$10,000 to \$15,000. Increase in the weekly health and accident benefit maximum from \$100 to \$115 per week.

Revisions in the booklet on "Group Life and Accidental Death and Dismemberment" include:

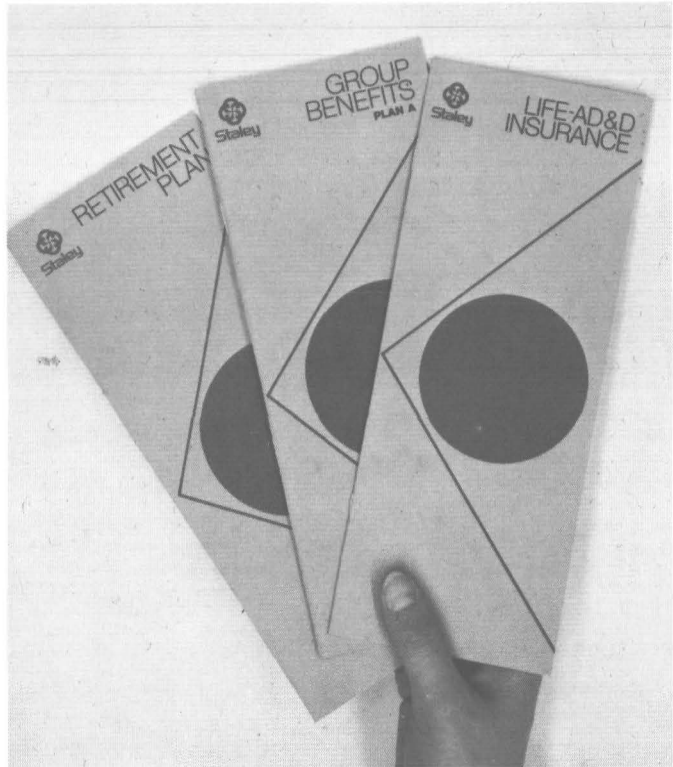
An increase in the accidental death and dismemberment benefit from \$1,000 to \$5,000 per employee, and maximum life insurance from \$14,000 to \$16,000.

New facts and figures in the "Retirement Plan" booklet are:

Normal retirement income increased from \$3.75 to \$7.00 per month for each year of service. Addition of vested retirement benefit so those leaving the company after 15 years credited service (or 10 years at age 40) are eligible for a deferred retirement income at age 65.

Al Zick, employee benefits manager, said that the revisions mean that the average Decatur hourly employee now earns an additional \$23 a week in financial protection and family security benefits. He also noted that this figure represents about one-third of Decatur hourly "fringe benefits."

Questions concerning the revisions in the plans, or any other phase of the benefits program should be referred to the employee benefits department, first floor-west in the administration building.



New Booklets Reflect Hourly Benefits Revisions

STALEY NEWS

DECATUR NEWS FOR DECATUR EMPLOYEES

## Schwandt Tells Apprentice Grads: "It's a Competitive Market Place"

"The future of our Company—of your job and mine—depends upon our ability to solve the problems of a competitive market place. We can meet this competition in only two ways—better products and service at lower costs."

This is the challenge that Industrial manufacturing manager Robert Schwandt outlined for 12 Staley mechanics at their apprenticeship graduation dinner.

Continuing, Schwandt said, "Recently we have been challenged by new price-oriented competitors. They build minimum cost plants, cut manning to the bone, and pay wages well below those negotiated here. We have to meet their prices or lose our customers. This means we must learn how to work smarter."

"When a mechanic goes on a troubleshooting job, he needs to try to see the whole problem

so that it is fixed right the first time.

"If we can really work smarter, the number of dirty little repetitive jobs could be reduced. The elimination of these breakdowns means more productive machinery and lower costs; better, more consistent quality of product for our customers; and more opportunities for original project-type work for our mechanics."

In closing, Schwandt said, "We have good reason to believe that our mechanical crew is as good as any in the industry. Our apprenticeship program is designed to help us firmly secure that number one position. I am confident that this class will contribute significantly to that goal."

Afterwards, certificates of completion were completed to the 12 mechanics—five electricians who had completed the program last year, one machinist

and six instrument and control men who finished this year.

The electricians—Ivan Allen, Gary Craig, Larry Eubank, Wayne Potrafka, and Larry Wakefield—invested three years and 6,000 hours in the program, as did the machinist, Jackie Crawley.

The I&C graduates—Robert Atkins, Edward Lacy, Ford Lewis, Edward Osborne, Robert Riedlinger, and Alvin Taylor—had a total investment of 3-1/2 years and 7,000 hours.

Receiving instruction in four major areas—basic fundamentals, on-the-job applications, shop experience, and safety—the apprentices are ready to assume the full responsibilities of a mechanic upon completion.

The supervisor of the apprenticeship training program is Emil Schimanski who in his 11 years in this position has produced 219 mechanics, or two-thirds of our present total.



Third Generation Employee Robert Riedlinger



Those honored at the recent apprentice graduation dinner are: (Front, L-R) plant manager Robert Schwandt, Wayne Potrafka, Larry Wakefield, Ivan Allen, Gary Craig, and Larry Eubank; (Back, L-R) Alvie Taylor, Jackie Crawley, Ed Osborne, Bob Atkins, Ford Lewis, Robert Riedlinger, and Ed Lacy.

# "Can Do" Employees Solve Snags In Production of Feed Ingredients

The successful production of the Company's two new feed ingredients—DSL and HF-10—looked dark indeed until a year ago when a group of employees in feed manufacturing jumped-in "bound and determined" to make it work.

In April of last year our corn feeds sales department had announced the products—and even started taking orders—only to learn that we couldn't produce sufficient quantities without committing the unpardonable sin—restricting the corn grind.

That's when the group, led by assistant production manager Ralph Sherden and including building foremen and operators, began looking at modifications that would turn out sufficient quantities while eliminating the loss of grind.

One of the major obstacles they had to overcome was how to make the equipment that was originally designed for lower grind levels turn out the products at an increased grind rate.

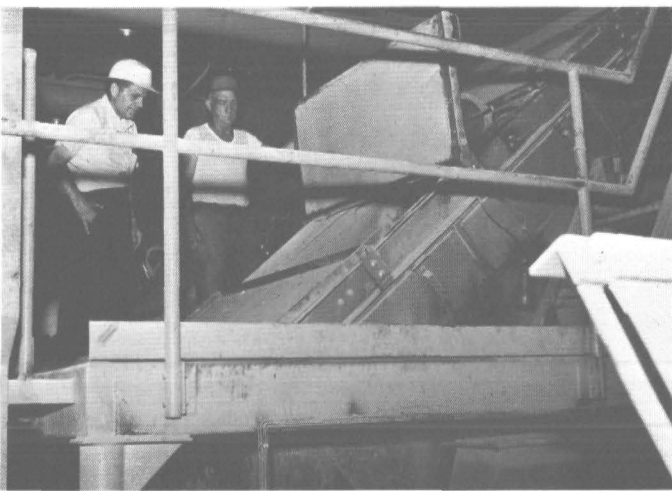
To solve this problem Sherden went back to the drawing boards and refigured the dryer arrangement. Originally three dryers had been used for DSL and two for HF-10. He revised this arrangement, enabling the dryers to receive and dry the incoming material while keeping pace with the grind.

But the major obstacle from a production standpoint was how to keep the "sticky" DSL from gumming up the equipment.

"Because of the greater concentration of steep liquor solids in DSL than in the traditional corn gluten feed, the new product is more difficult to convey and dry," Sherden said.

"Conveyors choke down and at times even the dryers themselves become overloaded with the molasses-like substance."

This is where the foremen, Les Forbes, Marion Dale Smith, and Larry Walker, plus dryer



Foreman Larry Walker (L), Operator Bob Ruthrauff Check HF-10 Product is Screened for Particle Size in This Operation

operators Lewis Fuqua, "Buck" Welton, Roy Riggs, and Carl (Doc) Butcher, along with lead operator Bob Ruthrauff enter the story.

"The value of their assistance in keeping the equipment operating at optimum conditions has been immeasurable," Sherden said.

"Although we haven't solved the 'sticky' problem entirely, we have found that paying close attention to the operating conditions—such as the temperature in the dryers—helps."

Once the two new products are dried, they are conveyed to the nearby feed packing house where they are stored in separate bins. Here the routing of the materials, into the proper bins is essential because of the products' content guarantee.

Foreman Henry White along with blending operators Basil Carter and Donald Hoots handle this responsibility. According to Sherden, all have done a good job.

Despite the difficulties, Sherden, chemical engineer Rich Williams, the foremen, and the operators are working as a team



DSL Control Board Henry White (L), Basil Carter

to solve each one. A measure of their success came in early May when the first commercial batch of DSL and HF-10 since modification was produced. It received the okay from quality control, and somewhere in the United States poultry and cattle are consuming those very products today.



These Machines Move the Products into the Feed Bins; Operator Don Hoots Controls the Operation

## This man wants to know your ideas.



He's Bob Corman, New Products Manager, Consumer Products, Cicero, Ill. How do you express your ideas for new consumer products to him? Through "Idea Sweepstakes" the contest open to all Staley employees. Entry blanks are available at your place of work or through public relations, Decatur.

Why don't you tell Bob a thing or two?

## On The Move

### AGRIPRODUCTS

LARRY MC NAMARA from assistant district manager, refined oil sales to district manager, refined oil sales



Larry McNamara Howard Brumley

### CORPORATE ENGINEERING

CHARLES PHEGLEY from employment assistant to time study technician, Industrial Engineering.



Chas. Lefringhouse George Spates

### INDUSTRIAL PRODUCTS

HOWARD BRUMLEY from shift foreman engine room to engine room foreman.  
BEVERLY DANIELS from control clerk to secretary-dry starch.  
CHARLES LEFRINGHOUSE from shift foreman boiler room to shift foreman engine room.  
BETTY RODERICK from department secretary to price clerk.  
GEORGE SPATES from production relief foreman to shift foreman boiler room.



Richard Agans Kenneth Maher

### INDUSTRIAL RELATIONS

RICHARD AGANS from field technical services representative to training engineer.  
KENNETH MAHER from compensation analyst to salary analyst.



Cynthia Grigsby Barry James

### RESEARCH AND DEVELOPMENT

CYNTHIA GRIGSBY from technician to associate food technician.  
ALICIA LORENSON from messenger to library clerical assistant.

### STALEY CHEMICAL

JOHN FUSCO from traffic supervisor to foreman-leather finishing.  
STANLEY KOVOLISKY from assistant production shift foreman to general foreman-adhesives.

### INTERNATIONAL

PATRICIA BOZELL from accounts payable clerk to senior clerk steno.  
BARRY JAMES from Canadian sales manager to manager-export.  
MARTA STEWART from clerk typist to secretary.

## Odor Source Under Attack

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years we've tried several approaches to this problem, Mauterer said, "and with very little success. But our experience is now paying off."

Particulate emissions from the stack under evaluation will be controlled primarily through recycling the stack exhausts through the feed dryer.

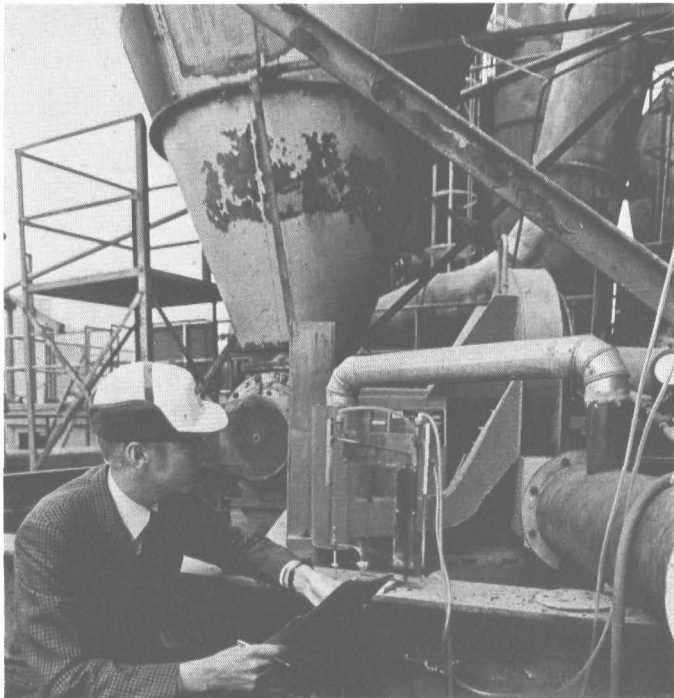
After recycling, the emissions will then be passed through a chemical scrubber. The patented chemical medium in the scrubber then removes the remaining particulate matter as well as neutralizes the odor.

A similar scrubber is cur-

rently being tested successfully at a rendering plant in Syracuse, N. Y., neutralizing odors which are more severe than Staley's.

According to Mauterer, a pilot-scaled scrubber is presently installed on one feed dryer stack. Information derived from this test is being fed to the engineering consulting firm of Raphael Katzen, Cincinnati, which is analyzing the data in preparation for a full-scale design.

Mauterer said that if the full-scale unit proves successful when installed on the Staley feed dryer stack, the scrubbers would be developed for application on the remaining stacks.



Part of the Scrubber System under Test on Feed Dryer Stacks Engineer Bob Nisbet Makes a Routine Check

Staley Mfg. Co.  
P. O. Box 151  
Decatur, Ill. 62525  
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