# StaleyNews

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## Work on schedule at Loudon plant, which will utilize latest technology

When the new, highly automated, energy-efficient corn refining plant at Loudon, Tennessee, turns out its first products in late 1982, much of the processing technique will resemble that of other Staley corn plants, according to the project's manager, Bob Gruder. "This plant will be a blend of their operations for the most part, with refinements in tune with latest technologies."

The 70,000 bushels-per-day corn refining plant will annually produce 600 million pounds of high fructose corn syrup and 40 million gallons of ethanol (power alcohol) with flexibility to accommodate seasonal trends for the products.

This new facility will give the company a strategic location from which to serve growing food and beverage markets for HFCS in the "sunbelt" area. Power alcohol will be marketed throughout the Southeast for the production of "gasohol," a product which helps reduce the nation's dependence on foreign oil.

Co-products will be the same as the other corn plants--60 percent gluten meal and 21 percent gluten feed in both loose and pelleted forms. Most of the pellets will be exported to Rotterdam, Netherlands, to be primarily distributed throughout the European Economic Community (EEC). In addition, corn oil will be sold to corn oil refiners. Loose feed and meal will be sold locally, with meal going to the poultry industry and feed, to the livestock industry.

Differences between this plant and Staley's other HFCS operations include separate building design, which can be easily expanded, the ethanol production unit, of course, as well as new processing technologies incorporating the latest energy conservation features and computerization of process control.

Computerization has moved into the next generation of electronic process control, but it will be similar to that at the Lafayette corn plant, according to Roman Martin, project manager, computer process control, who has worked on process instrumentation with Don Rairdon, recently named project engineer for the Loudon plant. Virgil Will, instrument engineering manager, engineering, corporate technical, is designing the controls for utilities in conjunction with Don Thompson, corporate utilities manager, corporate engineering.

Loudon will have a distributed control system, placing controls much closer to the process. This system will allow operators in an area such as the syrup refinery to find out what is going on in the boilers or in wet milling. Data will be shipped around the plant without hardwiring for each area that an operator wants to view, giving more flexibility and less maintenance.

This system is a new means of control, which also will be used on a smaller scale in the new Des Moines oil refinery. The system will give better information to everybody. Color consoles will allow easier analysis by providing more vivid visual impact for the operator. If one portion of communication should fail, there will be redundency and security in the design so other areas will continue to operate and only information from that particular area in trouble will be lost.

### Activity in high gear

Early activities last fall at the 194-acre site along the Tennessee River included test piling to determine soil load bearing limits, indicating the number of piling needed for the various structures. Earth moving touched nearly the entire site to shift terrain and spread out the hills, thereby creating a nearly flat surface on which to build the plant.

In January, pile driving was well under way, having been completed on the boiler house

(Continued on Page 3)


**Activity is in high gear at the Loudon plant site where, in this picture, piling and a pile driver are captured in the background along with a roadway, one of the first facilities put in at the location of the company's fourth corn plant.**

## Computer keeps tabs on utilities, helps cut energy consumption, is billing aid

Energy conservation is a 24-hour-a-day concern at Staley/Decatur. Giving a boost to this program is a new computerized energy accounting system employed as "watchdog" on the plant's utilities.

"With energy prices rising 25 percent this past year, it's economically important to conserve energy wherever possible," said George Virgil. Virgil, the utilities manager at Decatur, and Duane Chicoine, director of engineering services, are overall project managers for Decatur's energy conservation projects.

In fiscal 1979, Staley/Decatur had an energy bill of $26,000,000, which increased to $31,000,000 last year, according to George. An additional $6,000,000 easily could have been added to this amount without the boiler conversion to coal and the conservation measures taken, he advised.

This new accounting system is part of an eight-point energy conservation package approved for Decatur in 1979. These projects were consolidated by Decatur's Energy Conservation Committee, which seeks ways to cut energy consumption at this manufacturing site.

Energy accounting per se is not new to the company, but this method is. For years, Decatur employees read the utility meters manually on a daily basis to supply Del Cox, formerly utilities statistical clerk, now retired, with energy consumption figures. He and his colleagues performed additions, subtractions and the balancing of numbers, which were finally posted by hand on 56 sheets of paper. Kept daily, these numbers were the basis for billing departments each month for their share of the energy cost.

In contrast, Decatur now has the 100 most important utility meters between wet milling, the engine room and 44 building being read continuously by a Fox 3 Energy Accounting System in operation since the summer of 1980.

Under surveillance are utility meters in 1, 2, 5 & 10, 6, 9, 11, 17, 18, 22, 29, 44, 47, 54, 75 and 77 buildings. Specifically being monitored are the uses of the four kinds of steam--400, 185, 125 and three-pound steam; gas and coal; four types of water--softened, city, warm and feed water to boilers; and electricity generated by Staley and that purchased from the local utility company.

### Controls boiler

In addition to "reading the utilities," the new system controls boiler 24, for which the combustion efficiency has already been improved between one and two percent. Insignificant? "Not hardly," says Virgil.

"One percent of the cost of operating all 10 boilers a year comes to $150,000 or $15,000 savings for one unit," he said. "A two percent improvement, of course, theoretically doubles those savings per boiler. While only one boiler could be added at this time to the computer's control, this single unit demonstrates the potential savings which could be realized if all 10 were tied into a computer."

As a controller, the computer reads the quantity of steam the entire plant is demanding and in anticipation of increased steam needs, it increases grate and fan speeds of the boiler. Control of this boiler is based on oxygen in its stack gas, which the computer tries to minimize to increase the boiler's efficiency.

At the heart of this system is the same Fox 3 computer, located in an environmentally-controlled room within the engine house (2 building). Information picked up by transmitters at each metered location is routed through one of three input/output racks. In the racks, data is translated into a signal the computer understands. Two UIOs or universal input/output racks are located in the computer and boiler rooms respectively and an AIM (Analog Input Module) is housed in nine building. Connecting the transmitters, racks and computer is a "daisy chain" of cables through which the specially coded messages are transferred. "Readings are immediately available on monitors or television display screens located in the boiler and engine rooms.

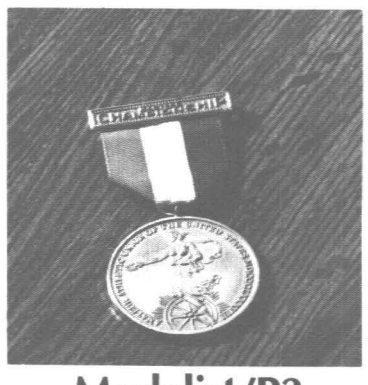
Linking the Fox 3 with the Honeywell computer in the basement of 62 building

(Continued on Page 2)

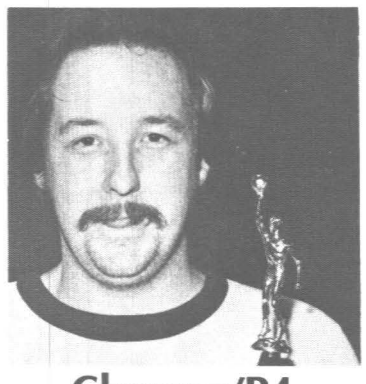
**Early spring**--With weather conditions perfect, the Staley gardens were prepared for planting nearly a month ahead of last year. Pictured, left to right, assisting with staking the plots are James L. Carter, retiree, and employees Kleon C. Roe, Ray Marshall and Bob Luka, Jr. Roy Hornback, at right, was one of the first gardeners (numbering 137 this year) to work his area.

## In the News...


Coupon/P2



Medalist/P3



Champs/P4

# Computerized energy accounting system is "watchdog" on plant's utilities

(Continued from Page 1)

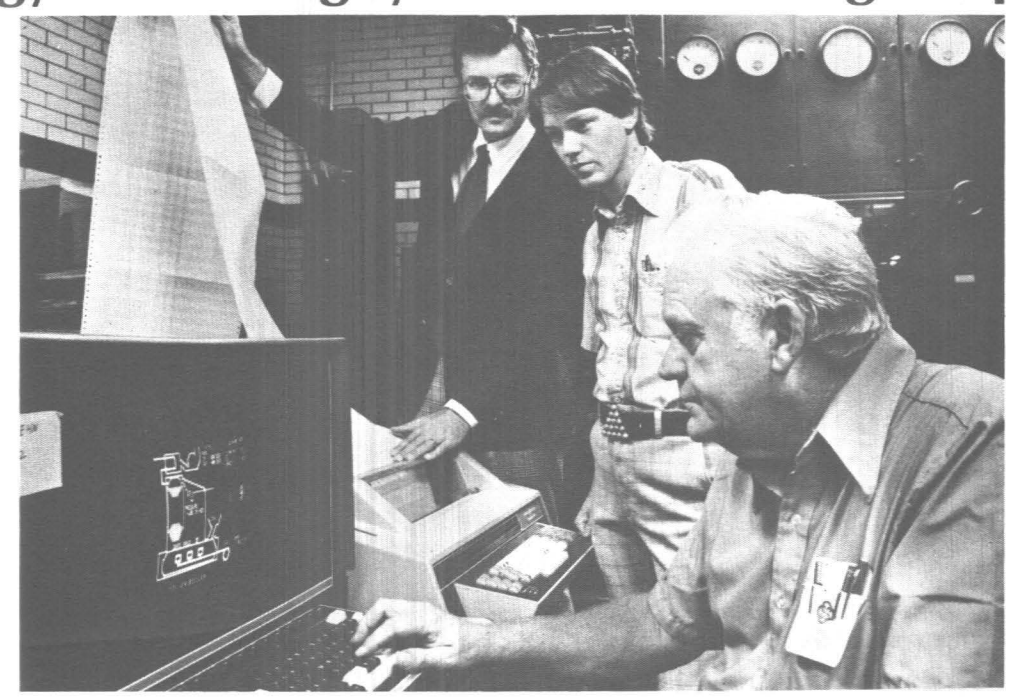
is Mary Belle Blacet, utility statistician clerk, who keypunches the watchdog's information into the Honeywell system to obtain a complete energy picture of the entire plant. While the Honeywell only gives daily reports, the Fox 3 comes up with instantaneous readings, even designating areas using more or less energy than historically called for.

**Excessive readings alarmed**

Any reading outside of normal limits will alarm the computer, initiating flashing red lights on the appropriate video displays while also being recorded on a printed alarm report. Alarms are cleared only after the readings return to normal ranges.

Armed with this data, immediate investigations of these areas are possible and can result in considerable savings in energy and money. Until now, an energy leak might have been in progress for hours before anyone knew the problem existed, taking that long for the manually read information to become available for troubleshooting purposes or for a process manager to complain because a utility is not available.

Among the reports available from this system are summaries of various types of energy used in areas of the plant. For example, one tells how much coal or gas is used in the boilers as well as the amount of feed water to make steam, giving a comparison of what is going into the boilers with what is coming out. Another report breaks down the type of steam, such as 400-pound steam, spelling out the quantity used by wet milling, the syrup refinery, etc.



**The switchboard operator in the engine room, Frank Waller, observes 24 boiler's functioning, which is controlled by the new system. At the same time, George Virgil, left, and Jeff Dehn look over utility printouts.**

Other reports show trends in energy costs and will immediately measure the effect of any new apparatus or energy conservation measures taken.

Based on the daily grind, the Fox 3 calculates the energy cost per bushel, giving a good indication of which source of energy may be deviating from standard.

Fox 3 also produces a daily list of the meters it reads; hourly, shift and daily data on 24 boiler; steam production for all the boilers hourly, allowing a view of the output of the boilers in one place rather than from 10 different charts. Cost of steam is also calculated.

The system also converts expended energy into British Thermal Units (BTUs) and assigns the cost in dollars. From the information available, the Fox 3 allows a comparison of the historical cost of energy a month ago with the price paid today and will store up to 10 years of data.

**Shaping the system**

To put this system together required the knowledge and ingenuity of a group of employees cutting across departmental lines. At the outset, George Virgil discussed his needs with Virgil Will, manager of instrumentation engineering, and Roman Martin, project manager, computer process control. Together they worked out the original design concepts, with Will specifying instrumentation interfaces and Martin working on the computer reporting facet.

Charlie Baker, field engineer, originally the supervisor for this construction project until transferred to Morrisville, was succeeded by Bob McNulty, project engineer, who saw the project through to completion.

Project engineering and purchasing the hardware devices such as the transmitters and installation of the computer system was the responsibility of Don Rairdon, recently named project engineer for Loudon.

Writing the procedures or recipes (software) that direct the system on what information to produce was Jeff Dehn, senior computer process control engineer. Dehn, Rairdon and Dave Buechler, project engineer, worked on the implementation of the program. They attended Foxboro's Fox 3 Users Course, enabling them to operate, program and troubleshoot the system.

With instant reports on energy used and associated costs, operators and managers have the tools by which they can trim their energy consumption and bills as well. . . An open valve, allowing high-pressure steam to escape for only one hour, could mean $100 waste in energy. This is the type of waste the new "watch-dog" ferrets out with its continuous readings and evaluations.

More emphasis can be made on producing steam from lower cost coal rather than gas by properly balancing the demand with coal-fired boilers.

Only in its initial stage, this program holds great promise. Decatur is not the only area to benefit though. Other plants will be able to use the programs developed here as well as the knowledge gained about boiler control.

The Fox 3 is providing a new means of exposing excessive or unnecessary uses of energy . . . and that means money. Savings on energy makes good cents!

**Mary Belle Blacet, utility statistical clerk, keypunches the "watchdog's" information into the computer.**



## Staley News

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

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*Typographer. . . . . Jacque DeVore*

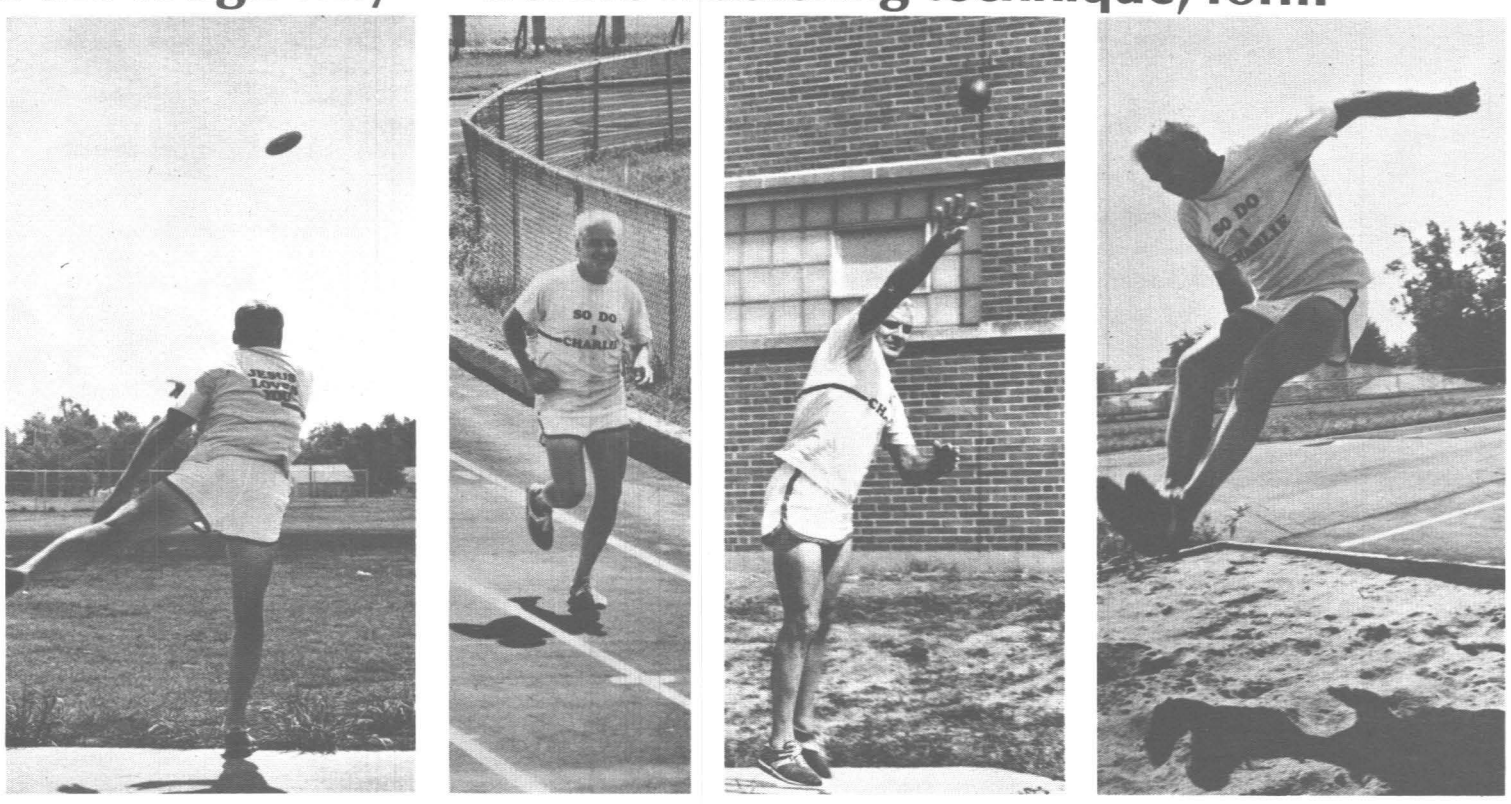
# National champ won the tough way — before mastering technique, form

Competing against people who have participated in track and field events most of their lives, Charlie Cox knows that he's at a disadvantage. Yet, he's done quite well.

Joining track enthusiasts only four years ago, Cox blossomed last summer, bringing home a pile of medals, including 19 "gold" ones. Among his most cherished achievements were first place wins in the pentathlon and triple jump at the U. S. National Masters in Philadelphia.

With strength substituting for form, Charlie leaped 33 feet 2 1/2 inches in the triple jump and, in the pentathlon, won the long jump with 16 feet 3 1/2 and the javelin with 119 feet. He placed second in the 1,500-meter run and discus and third in the 200-meter dash. The 1,500-meter was decisive. Cox relates that a New Yorker was right behind him in points and needed to beat him by 40 seconds to surpass him. Although the New Yorker won the race, he did it by less than a second; Charlie clinched the title.

"There's another side to winning at these meets," said Cox. "Everybody has P. R.s--personal records. Everytime we participate, we try to reach a new P. R. It's a good feeling."



Whether hurling the discus, running, putting the shot or triple jumping, Charlie Cox puts his whole heart into the act. His dedication netted Cox 19 gold medals last year. At the price of gold. . . .

"Until mid-summer my accomplishments were achieved with only brute strength. I had no technique or form. Nobody showed me how to throw the discus or the javelin or how to triple jump."

After the exhilarating wins at the nationals July 4 weekend, Charlie, a relief foreman in 17 building, Staley/Decatur, decided to learn more about each event to even the odds. Assisting him with various techniques and supplying him with reading materials on the events have been two Decatur coaches--Pete Innis, track coach at Eisenhower High School, and Bill Harbeck, his counterpart at MacArthur. With instruction on the shot put from Innis, Cox lengthened his distance two feet, to 37 feet in his first attempt. Harbeck, also coach of the Staley Junior Olympic Track Club, has worked out with Charlie and given him pointers on triple jumps, one of his better events.

**Exercise, a total stimulant**

Cox takes track seriously. "I'm very competitive, and I want to do my best at every meet," he said. "Given abilities, a person should use them and try to improve himself in a disciplined manner." Working out nearly every day, he has found the exercise and activities help him mentally, physically and spiritually. "I feel better, look better and think better too."

Besides putting a good deal of time into practice, Charlie has researched the field and knows who his competition is and the distance or times he must achieve to beat their marks.

While improving form and times, Cox is working out with weights to strengthen his arms and legs. He's also trying to trim off 10-to-20 pounds to increase his speed in the sprints and distance covered in jumps.

Cox has been active in sports since his youth. Track participation, though, was limited to a brief stint on the cinders in grade school. By high school age, he was into basketball and baseball--two sports he's involved in today. Last summer, Charlie managed to play on several slow-pitch teams, and this winter, he's again pacing up and down the basketball court to keep in shape.

That's what he was doing when competitive interest sparked in track. Charlie was shaping up for softball season several years ago on Staley's track. Tom Hurst, Staley retiree, mentioned that Cox should try the masters meets, open to anyone over 35. Tom had just participated in one and encouraged Charlie to enter the Midwest Masters in Chicago. Five medals were won in his first Midwest Masters. He won fifth in the nation in the triple jump and seventh in the broad jump at Atlanta, Georgia, later that year and last summer, Charlie registered wins from coast to coast.

**Medals pile up**

During the season, Cox had 19 firsts, eight seconds and eight thirds. At the Pan American Games held in Los Angeles in August, Charlie won three medals. A few weeks later, at the U. S. National Weight Pentathlon Championships in Chicago, he won three more national titles. Personal records were made in four events. One P. R. was recorded in the javelin, breaking a Pan American record of 119 feet 11 inches, held by olympian Bob Richards. Charlie threw it 121 feet 8 inches.

Much of the enjoyment gained from this competition is becoming acquainted with fellow track and field enthusiasts. Many of them are among the athletic "greats" (former olympians, collegiate all-stars or retired professional athletes). They gladly talk "shop," lending pointers and encouragement to new contenders. "In fact, once they get to know you," Charlie says, "they look for you at future events to cheer you on. We yell a lot for each other. . .and that helps."

What's ahead for Cox? Wanting to participate in decathlons this year, he has two more events to learn--hurdling and pole vaulting.

"I saved this project until competition was over last year. If I should happen to be injured, I want time to mend!"

Meanwhile, more practice is on his agenda in hopes of becoming the best in his age group in every event. Whether it's basketball, softball, triple jump or sprints, the challenge is always there. . .to perform a little better.

# Maintenance stores building takes shape at Loudon

(Continued from Page 1)

and well along on the syrup refinery with piling work just commencing on the steep house and mill house areas. The contractor was also beginning to pour pile caps to tie the piling to the structural steel and to erect perimeter fencing for site security.

The first major structure taking shape has been the maintenance stores building, which will function as a construction office for Daniel Construction personnel and will also house the permanent staff until the administration building is completed this summer.

Late winter activities centered on the erection of the field-fabricated tanks. Process equipment began arriving in March.

Work on the administration building began in late March and will be completed by late summer when the plant staff will move in.

Underground piping is being unloaded at the Loudon site. In the background, structural steel is being erected for the maintenance stores building.

This one-story facility will be a precast concrete slab structure. Other buildings will be of concrete slab and metal siding.

Looking ahead, between May and September, work will include field erecting tanks, erecting structural steel, pouring concrete floors, installing major equipment and erecting the boilers, of which two will be coal fired and the other, gas or oil fired.

The first piping and electrical work will commence about mid-summer. Throughout the summer months, they will be setting much of the processing equipment and will build several miles of railroad track.

Concrete slipping on the six corn silos is slated this fall. At that time, the buildings will be closed and efforts will be stepped up on piping, electrical work and instrumentation. Millwrights will be pressed into service setting gears, aligning pumps, leveling processing equipment and the like.

From there on, work will continue with piping and electrical wiring stretching over a year. Millwrights will be kept busy into the spring and summer of 1982 on their projects. Mechanical testing and water testing in preparation for start-up should commence in the fall of 1982.

That's the program on which there were more than 100 people working at the site early this year. Manpower will climb to around 1,700 by January of 1982 when they will be installing equipment, piping and electrical wiring. All activities are aimed at the plant being in operation by late 1982. . . .

# Scholarship, court abilities net honors

Scholar and athlete, Lauri Dunn, daughter of Bill, maintenance superintendent at Houlton, has been collecting honors this spring. She has been inducted into the National Honor Society at Houlton High and has been nominated for inclusion in "Who's Who in American High School Students."

Co-captain and starting guard for Houlton High's girls' basketball team, "Bucky," as she's known to her peers, was the second person chosen to the 1981 Eastern Maine Girls All-Tournament Team, Class B. Her team finished second in that tournament and was the first Houlton girls' basketball team to ever reach the finals. They also brought home the first trophy from either Houlton boys' or girls' team efforts in more than 15 years!

The five-foot-six junior may be small, but she finished the season with 269 points and shoots better than 80 percent from the foul line. Her determination and consistent playing skills have kept her in double figures in 17 of 19 games played this season.

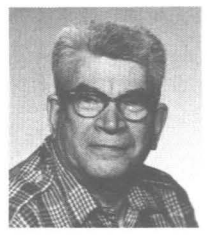
The Houlton team, seeded No. 1 in Eastern Maine, played three breath-taking games in the tournament. In the first one, they defeated a hard-fighting, eighth-placed team, 38 to 37, in overtime. Next, they played the fifth-placed team, whom they had defeated twice in the regular season. That score was 52 to 48. Although seeded No.1, Houlton was expected to be "blown out" of the tournament by the powerful and highly publicized No. 3 Mt. View team, who boasted of having one of the state's best forwards, Emily Ellis. Alone, Ellis had scored 36 and 43 points in the previous two games. The Houlton girls kept Ellis down to only 10 points in field goals and eight from the foul line. High point of that game for Bucky's dad was when his little guard "stuffed" the five-foot-eleven Ellis in one of her attempts at a basket.

# Worth noting . . .

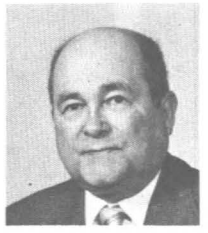
Active in Associated Employers of Illinois this year are William Sprague, director of corporate labor relations, who is chairman of AEI's industrial relations committee, and Robert Staley, government relations representative, general, corporate administration, who is chairman of AEI's Employers Political Action Committee. Staley also is a member of the government affairs committee and AEI's board of directors. Formed in 1913 by executives from two dozen Illinois employers, AEI today represents nearly 20,000 firms throughout the state. This association focuses efforts on state legislation related to employment in the private sector and serves as watchdog over state agencies, which affect the way in which business is conducted.

# 67 celebrate anniversaries; compile 995 years of service

Ernest Williams

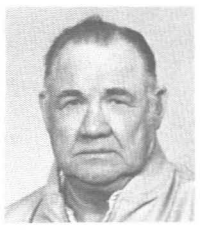


Thomas Foster, Jr.



Roy Oathout

Donald Shuey



James Walker

Lawrence Wyatt

Richard Mayberry

**40 Years**

WAYNE ROBERTS, senior mechanic, machine shop
EDWARD SKELLEY, mechanic, tin shop
ERNEST WILLIAMS, hourly payroll analyst, financial, corporate finance

**35 Years**

WILLIAM HILL, senior research chemist, starch processing, research and development, corporate technical
THOMAS FOSTER, JR., quality/purchasing supervisor, agriproducts, Des Moines
LAWRENCE WALKER, foreman, wet processing, industrial manufacturing, industrial products
JAMES WALKER, rigger leadman, riggers
JOHN BREWNER, rigger leadman, riggers
JOHN CARROLL, senior mechanic, tin shop
LAWRENCE WYATT, senior mechanic, C & D extraction plant, Satellite I
ROY OATHOUT, fireman, west end, boiler room
JAMES SIMPSON, senior roofer-painter, roofers and painters
DENVER CARTER, senior mechanic, pipe shop

**30 Years**

DONALD SHUEY, syrup solids operator, 17 building
RICHARD MAYBERRY, senior mechanic, pipe shop
GENE FORD, senior mechanic, pipe shop

**20 Years**

ROBERT FISHER, manager, starch order entry/scheduling, administration, industrial products
PATRICIA SMITH, chief clerk, soybean extraction, refined oil, agriproducts, Decatur
HAROLD GUY, flash dryer operator, Houlton

**15 Years**

ALFRED HILL, track laborer, 35 building
VIRGIL JULIUS, warehouseman, 34 building
MARTIN BRADSHAW, gateman, plant protection
THOMAS BREWER, convertor A operator, 16 building
JAMES WISLEY, utility operator, 16 building
ROBERT STANBERRY, mechanic, machine shop
EUGENE MCCONNELL, production superintendent, agriproducts, Des Moines
ANN SEIDMAN, manager, technical information center, research, corporate technical
DORIS FERRE, secretary to director of international marketing, international, corporate administration
BARBARA BOMBALL, lead research stenographer, research, corporate technical
JAIME VAZQUEZ, machine operator, Cicero
GEORGE ROCKWELL, wet room leadman, Houlton

**10 Years**

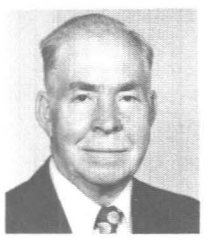
MARY GRANT, secretary to director of sweetener sales, industrial sales and marketing, industrial products
ERNEST WILLETTE, drum dryer leadman, Houlton
HENRY LUJAN, mechanic, Monte Vista

**5 Years**

ELSIE ECKELS, telephone operator, corporate office services, corporate finance
CAROL DEBRUN, division secretary, corporate office services, corporate finance
PEGGY GILLMAR, data input operator, corporate information systems, corporate finance
STEWART BROWN, process supportman, 5 & 10 building
TERRY BROWN, lead loader, 34 building
DANIEL FERGUSON, gateman, plant protection
DAVID FORTNER, lead packer, 29 building
MICHAEL LANDACRE, tank car cleaner, 17 building
ALLAN WHITWAM, tank car cleaner, 17 building
JAMES HENDRICKS, lead loader, 34 building
HENRY KRAMER, reliefman, 20 building
JEFFREY KUNZEMAN, manierre loader, 20 building
THOMAS MARTIN, helper, 29 building
HAROLD MOORE, helper, 29 building
JOHN OASTER, building cleaner, 28 building
LEON SCHROCK, loader, 34 building
WILLIAM TANKERSLEY, packer/palletizer, 47 building
GERHARD WEISSINGER, manierre loader, 20 building
RANDY CHANEY, P & S mixer operator, 20 building
GREGORY PIESZALA, cleaner, 99 building
ROBERT SPATES, pump/tank operator, 5 & 10 building
PHILLIP STENGEL, auto starch packer, 20 building
STAN BOLLHORST, lead loader, 34 building
CAMERON GEORGE, stenciller-cleaner, 20 building
DICK HENDERSON, extruder operator, 20 building
ROBERT MCDANIEL, process supportman, 11 building
JEFFREY NIHISER, warehouseman, 34 building
DAVID WADDELL, cleaner, 20 building
GARY WRIGHT, P & S mixer operator, 20 building
LARRY WILLIAMS, oxy dry leadman, Houlton
BEN CALDWELL, JR., roll dryer operator, Morrisville
LARRY HAMPTON, assistant roll dryer operator, Morrisville
PAUL FEELEY, mechanic, Morrisville

**Clean sweep**--Capturing both the tournament and Staley Basketball League trophies are the Vikes. Team members include, front row, from left to right, Brian Hagan, Charlie Cox and Rod Hartman. In the back row, left to right, are Brad York, Tom Miller, Dale Fiala, Kevin Burns and Bruce Drake.

## Joining the leisure life . . .

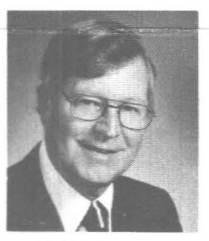


Paul Nave

Fred Humburg

Isabella McNamara

Al Morgan



Cliff Reynolds

**Effective March 1, 1981**

PAUL NAVE, merco operator, 6 building
FRED HUMBURG, meal loader, Frankfort
PRENTIS HARLIN, hydrogenation operator, 29 building
LOIS KAUFFMAN, statistical clerk, control, agriproducts
HARLEY LIENTZ, steam cleaner, 29 building
ISABELLA McNAMARA, invoice and file clerk, control, agriproducts
AL MORGAN, senior bakery specialist, food and agriproducts, research, corporate technical
CLIFF REYNOLDS, senior chemical engineer, agriproduction, agriproducts

# Worth noting . . .

Monte Vista's roll operator, Leroy Maes, suggested a recycling bin to reclaim waste product at the rolls. The maintenance crew fabricated and installed the bin, which is working like a charm.

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The maintenance and warehouse departments at the Houlton plant set new records for working without a lost time accident. Maintenance personnel compiled 417 days and warehouse employees, 392 days as of the week ending March 27, 1981.

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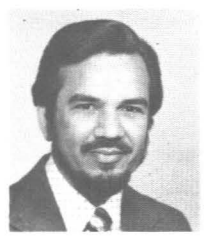
# On the move . . .

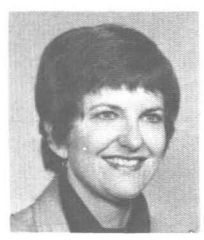
Richard Williams

Steve Braden



Ashwin Madia

Virgil Will



Judy Bear

John Weakly

**AGRIPRODUCTS**

RICHARD WILLIAMS, from corn wet milling superintendent, Lafayette, to food protein production manager, protein, agriproducts
STEVE BRADEN, from senior merchandiser, grain, agriproducts, to merchandising manager, grain, agriproducts

**CORPORATE**

ASHWIN MADIA, from research microbiologist, advanced research and development, corporate technical, to senior research microbiologist, advanced research and development, corporate technical
VIRGIL WILL, from instrument engineering supervisor, engineering, corporate technical, to instrument engineering manager, engineering, corporate technical
JUDY BEAR, from training supervisor, industrial relations, corporate administration, to manager of compensation, industrial relations, corporate administration

**INDUSTRIAL**

JOHN WEAKLY, from senior merchandiser, grain, agriproducts, to corn merchant, commodities, Lafayette

Staley

**A. E. Staley Mfg. Co.**
**2200 E. Eldorado St.**
**Decatur, IL. 62521**

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