

Hazard Communication Training Program Begins

Northwestern Steel and Wire Company agrees with the current wave of thinking that each worker has the right to know the nature of the hazardous materials they encounter on the job.

That is why Northwestern's employees are undergoing extensive education in hazard communication. By the end of November each Northwestern employee will have received this small group training.

Overall, when properly administered, a planned Hazard Communication Program can help to eliminate many job related accidents. It will promote maximum efficiency and will effect savings by a reduction of unplanned interruptions in production because of chemical hazards. Thus, the objective of a Hazard Communication Program is to eliminate chemical related accidents and it will, in the long run, increase profits.

Here are the stated objectives of Northwestern's Hazard Communication Program:

1. To safeguard our employees' health by providing a management guide for compliance.
 2. Provide our employees with the necessary information and training
- (continued on page 4)



Gary Budde, Northwestern's Safety Department, conducts an informational session on hazard communication with NSW salaried personnel. During the month all Northwestern employees will be required to attend a similar session.

Remote Control Engine Debuts At Northwestern's Yard 5

Passersby at Northwestern's Yard 5 are doing a double-take these days...and with good cause. That diesel engine seen scurrying about with no engineer or crew really is running by itself - well almost.

True, there is no evidence of the normal three-man crew on board. But a human has complete control of the engine and connecting rail cars at all times via a radio-controlled belt unit.

The controller can command the engine from anywhere in the yard up to about 2,000 feet, with a full range of directional instructions, such as forward, backward, neutral, as well as applying brakes or sounding the horn.

The engine is the first of what may be several similar engines that could be introduced plant-wide if this initial unit proves effective, according to **John**

Smith, Superintendent -Scrap Yard.

"Right now we are using the radio controlled engine to weigh inbound and outbound scrap. It also performs some switching functions in the 14-Inch Mill Conditioning Yard." Smith said. "Right now we are trying to iron out any bugs and get employees used to operating it. You really have to have hands-on experience with it. There's only so much you can get just reading about it.

"We have to see where this type of engine can be applicable in our plants. We'll do some experimenting to see where it can and can't be used."

The unit utilizes a small on-board encoder/decoder, which monitors a constant signal from the hand-held control unit.

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Alvin Russell, Supervisor - Scrap Yard (left) and Larry Mewhirter, Radio Control Engineer, pose in front of Northwestern's new radio controlled engine.

Mazel & Co. — Like Part Of The NSW Family

When Sam Mazel first opened the doors to Mazel & Co. 65 years ago in Chicago, he had one idea in mind - to distribute wholesale hardware.

But soon after he met Paul W. Dillon, who was then President of Northwestern Steel and Wire Company, Mazel switched from the wholesale hardware business to the wire products business - a course the company was to follow into the present day.

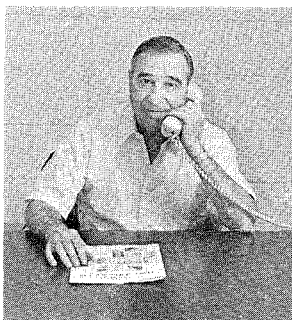
From that day on, a special relationship between Mazel & Co. and Northwestern was to emerge. **Harold Pollack**, General Manager of Mazel, who will celebrate his 40th anniversary with the company on December 6, remembers that special relationship.

In reminiscing about his early years with Mazel & Co., Harold said, "Paul Dillon used to call me up every week. He'd tell me almost every time I spoke with him that 'No matter what it takes, don't lose an order.'" Continuing, Harold said that he remembers being impressed with the fact that "Northwestern always made money, even without the use of computers, in those early years."

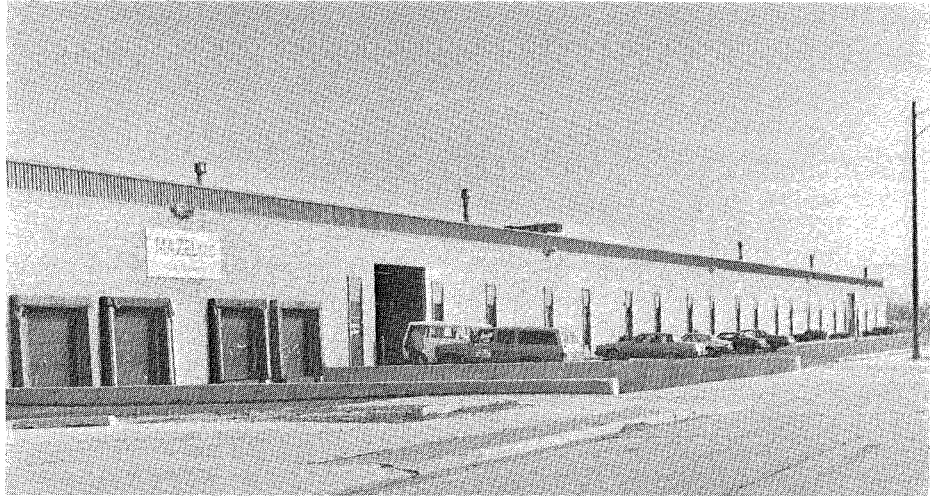
On April 1, 1972, D&W Manufacturing Co., **Lou Handelman**, President, purchased Mazel & Co. from Sam Mazel. The Company retained the name Mazel & Co. and to this day Lou Handelman and his son **Joel** continue an active role in the operation.

Mazel & Co., who have always prided themselves on service, recently mov-

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Harold Pollack, General Manager of Mazel, who will celebrate his 40th anniversary with the company on December 6th, said he remembers a special relationship between Mazel and Northwestern that has lasted throughout his business career.



Mazel & Co., who have always prided themselves on service, recently moved their operation into a modern, 75,000 square foot warehouse at 4300 W. Ferdinand St., Chicago, which enables them to carry an inventory sufficient to meet their customers' immediate requirements.

ed their operation into a modern, 75,000 square foot warehouse at 4300 W. Ferdinand St., Chicago, which enables them to carry an inventory sufficient to meet their customers' immediate requirements. In fact, with just 10 employees, Pollack stated, "Our customers receive their order usually within 24 hours and no later than 36 hours after it is given to us."

According to Pollack, it is the combination of Mazel's service, a tremendous inventory in its warehouse, good location in a major market area, and Northwestern's quality products that have made the company a success.

"There is a very close relationship between Mazel and Northwestern - to the point that other mills at one time thought Mazel was a subsidiary of Northwestern," Pollack said. I feel that Northwestern is the best steel company in the Midwest."

Today, Mazel remains one of Northwestern's top accounts, stocking the complete line of Sterling nails and wire products, including lawn and garden. The major portion of their business with Northwestern is in nails - both bulk and packaged - and bale ties. In fact, Mazel is one of the largest bale tie distributors in the Midwest. Mazel also sells screen wire, steel strapping and strapping products, and specialty nails and screws.

Northwestern's **Denny Redfield**, Assistant Sales Manager, Wire Products Division, said he is impressed by the fact that Mazel "Even in light of all the changes in distribution patterns over the years, has been able to adjust and grow, not only in the Chicago area, but into southern Wisconsin as well." He said he was also impressed with Mazel's new facilities which will help assure their further growth in the future.

"Mazel is probably the envy of the industry in Chicago. The Chicago market is such a major market - and Mazel has dominated that market for years," Redfield said.

"I know that they are constantly bombarded by our competitors to carry their products, but Mazel has elected to stay with Northwestern. They appreciate our quality and service. I would have to say I thoroughly enjoy working with Mazel. I don't think I've met a more sincere customer - one that is truly interested not only in their own future, but Northwestern's as well."

Mazel is serviced by Northwestern's outside salesman **Eldon Schalk**. Inside contacts for Mazel are Redfield and inside salesmen **John Asumendi** and **Mike Dunn**.

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Northwestern's Personnel Files

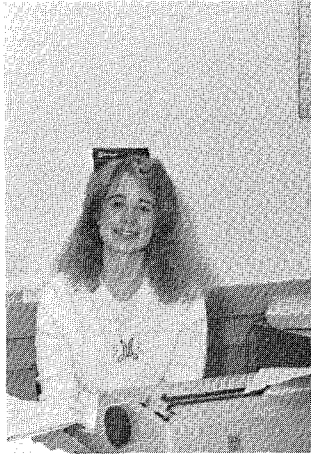
Marcia Schave

Marcia joins Northwestern on a full time basis to become Secretary in the Credit Department and will take over some of Margaret McCormick's former duties.

Marcia joined the Company as a part time summer employee in the Accounting Department last July.

She and her husband Shannon presently live with her parents in Coleta and are looking for a place to buy in the country that is large enough to care for the couple's 16 horses.

Shannon is self-employed as a horse shoer and services customers within a 90 mile radius. The couple shows and trains horses as a hobby.



Margaret McCormick

Margaret has recently been transferred to Northwestern's Purchasing department.

She had worked in the Credit Department as Credit Representative since she joined the Company two years ago.

Margaret and her husband Dick make their home in Sterling with their daughter Amy, who is 8. Dick is a Vice President at the Lincolnway Bank in Sterling.

A graduate of Sterling High School, Margaret also attended Sauk Valley College for two years and is currently attending evening classes at Sauk. As a hobby Margaret enjoys taking piano lessons.



What You Should Know About Chainsaw Safety

Chainsaws are popular again and a renewed interest in wood burning stoves has people looking for a cheap way to cut wood; consequently, chainsaw sales are now approaching \$2 million each year.

At the same time, technology is making chainsaws safer. New models are equipped with a combination of features to reduce the major cause of severe chainsaw injuries - that is "kickback", an upward and rearward jerking motion of the saw.

Any tool powerful enough to slice through thick branches can do the same to human flesh, so chainsaw injuries are often serious. The Consumer Product Safety Commission (CPSC) estimates that of the 125,000 people injured each year while using chainsaws, more than half need emergency medical treatment.

Kickback usually occurs when operators inadvertently touch the upper tip of the chainsaw's guidebar to a branch or log. Often the operator is cutting in a wood pile and fails to notice that the tip of the saw is nearing a different log than the one being cut.

If the rotating chain catches instead of cutting, which is more likely to happen near the tip, the motor's rotational energy is transferred from the chain to the saw itself, causing it to kick back.

Since 1983, representatives from the government, chainsaw manufacturers, and the forestry industry have been working on a safety standard to reduce the kickback problem. This meant that saws for consumer use must be equipped with features that either stop the chain from kicking back beyond 45 degrees, or stop the chain from moving by that point.

There are several safety features now available. One is the tip guard, a metal object attached to the end of the guidebar that eliminates contact with the upper quadrant. Two kinds of chain brakes are available. A mechanical chainbrake is tripped by the operator's hand if the saw kicks back. An inertial chainbrake is tripped by the jerking motion of the saw itself. There are also low kickback chains and guidebars designed to reduce kickback.

There's no need to throw away your old saw, however. The new standard is

mostly a matter of certification; many manufacturers had been meeting it informally for more than a year before it went into effect. The new saws that meet the standard are labeled by Underwriters Laboratories. If you own an older saw you can have it fitted with a new, low kickback chain, and the CPSC strongly urges you to do so.

Effective as they are, the new technologies can only reduce kickback, not eliminate it, so they are no substitute for caution.

By Gary Budde

**All Plant Private Payroll
Christmas Party
Friday, December 12 5-8 p.m.
In Loft - Country Squire
(N. Locust St., Rt. 88)**

Price: FREE

**A good will collection will be
used to purchase food for
charity.**

With A Little Help From His Friends

Bridges Nets Midwest Fishing Derby's Top Prize

What does it take to become a top fishing tournament contender? "Hard work, dedication, good fishing equipment and a group of co-workers and understanding management personnel who are willing to make a few concessions now and then so I can attend the tournaments," according to **Don Bridges**, Drawing Room Supervisor.

"I take a good natured razzing from my co-workers for my avid interest in bass fishing but all of them are great when it comes to changing shifts when necessary so I can compete in the various tournaments," Bridges said appreciatively.

The cooperation (and Bridges' finishing skill) amounted to a first place finish at the Great Plains Anglers/Skoal Million Dollar Super Circuit East Division Fish-Off held on Mark Twain Lake in Monroe City, Mo.

While Bridges caught 16 pounds of keepable bass over the two-day event, it appears his biggest catch was a long list of awards, which included: A fully rigged Ranger 350 bass boat with matching Ranger trailer; a Johnson 150 GT outboard engine; MinnKota trolling motor; electronics by Micronar; two AC Delco batteries; fishing equipment from Rod Saver; a three dimensional plaque, and \$920 cash.

Bridges was not entirely without familiar faces in the waters of Mark Twain Lake as Northwestern's **Dave Hendrix**, **Dave Tackett**, and **Evan Diedrich** placed fifth, eighth, and 14th, respectively. For their first and fifth place finishes, Bridges and Hendrix qualified to fish the 1987 Super Star Classic next March 16-22 on the Arkansas River in Pine Bluff, Ark., where they will be competing against anglers from a 10-state area, including Oklahoma, Michigan, Indiana, Kansas, Nebraska, Iowa, Wisconsin, Minnesota, Missouri and Illinois.

Top prize for the tournament is \$50,000 cash and a \$20,000 fishing boat.

So far this year Bridges figures he has won about \$20,000 worth of prizes and money fishing. He admits, though, that it hasn't all been easy. "Fishing hasn't always been popular with the wife. It has taken a lot of patience on her part. I told her that if she would let

me fish these tournaments I would pay for it through prize money. I guess I've done that.

"The guys at Northwestern have been real good. Really, they made it possible." Bridges said he had to finish in the top 25 fishermen in a five-tournament circuit this summer in order to be able to qualify to fish at the Mark Twain Lake tournament. "I had to take my vacation time fishing these tournaments. Once I was already on the lake practicing when they announced that the tournament had been cancelled. I high-tailed it back to Sterling so I wouldn't have to waste vacation days. They were real good about letting me do that," he said.

While Bridges said he caught four fish on top water bait and three on spinner bait, he credits shad for his success. "Wherever I found shad, the bass were there."

Unlike many current bass fishermen, who have only recently taken up the sport, Bridges has been pursuing smallmouth, largemouth and Kentucky

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Bea Martens Receives Free Entry At WIBC Tourney For Her Bowling Team

Bea Martens, Plant 1 Clerk, is the lucky recipient of a free team entry in the 1987 WIBC Championship Tournament in Hartford, Conn.

Martens' name was randomly selected from all those entrants in the 1986 tournament who filled out an entry blank for the free team entry.

Her name was drawn randomly by the WIBC from a list of 3,270 people.

Martens and her teammates, **Marilyn Vinson**, **Sharon Steinhagen**, **Iona Stern**, and **Fay Springman** have bowled in IWBA tournaments for 25 years in various cities throughout Illinois.

"We sure have met and enjoyed a lot of fellow bowlers and their families. In fact, this last year we took a cruise to Santa Catalina Island and we ran into our own State of Illinois WBA President, which I think helped bring us the luck in winning the drawing," Martens said.

spotted bass for more than 40 years. He said he caught his first bass when he was about five. "I tied a hank of hair from a raccoon on the lure and on my first cast I latched onto a two-pound largemouth bass. From then on, I reckon I was hooked on bass fishing forever."



Don Bridges, Drawing Room Supervisor, will be fishing for the top prize of \$50,000 in cash and a \$20,000 fishing boat at the 1987 Super Star Classic in Arkansas in March. He earned the right to fish in the tournament by winning the East Division Fish-Off held on Mark Twain Lake in Monroe City, Mo.



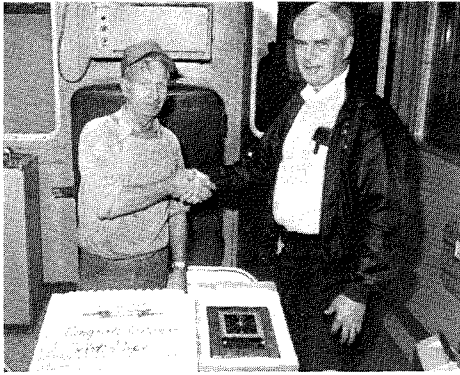
Bea Martens, Plant 1 Clerk, is the lucky recipient of a free bowling team entry in the 1987 WIBC Championship Tournament in Hartford, Conn. Her name was randomly selected from entrants in the 1986 tournament.

Hazard Communications

(continued from page 1)

- concerning health and physical hazards of the chemical materials used in daily operations.
3. To comply with OSHA 29 CFR 1919.1200: Hazard Communication Standard.
 4. To include flexibility within the compliance program so that changes can be made to comply with possible state and local Right-To-Know Laws.

NSW Acquires Second Rod Compactor



Art Pope, NSW Truck Driver, receives a farewell handshake from Chuck Bennett, Supervisor - Leased Fleet, recently on Art's last day at Northwestern. He retired from the Company following 35 years of service.

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East Plant Sets Four Records

There were four records which fell at Northwestern's East Plant in October.

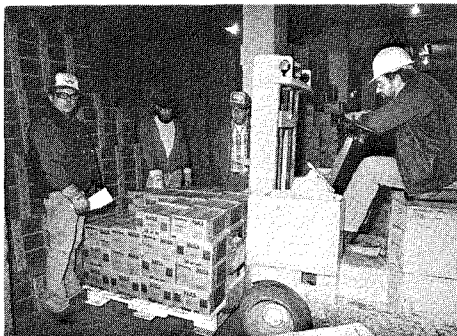
A monthly nail carting tonnage record of 6,662.9 tons was set, as was a nail packing record of 6,424.0 tons.

The Nail Galvanizer topped the Department's September production record by producing 2,061.3 tons. The September mark had been 1,959.5 tons.

A record 7,366 tons of Northwestern nails were shipped during October.

The October record surpasses the previous record of 7,155 tons of nails set in August, 1978.

Congratulations to all Northwestern employees who contributed to this shipping record.



Checker Joe Hodge, Tractor Driver George Stange, and Loaders Jim Zinke and Larry Hammelman contributed to Northwestern's record setting month. Four nail records were established in October.

A second rod coil compactor at Northwestern's 12-Inch Mill is expected to greatly facilitate rolling efficiency on the Company's Rod Train.

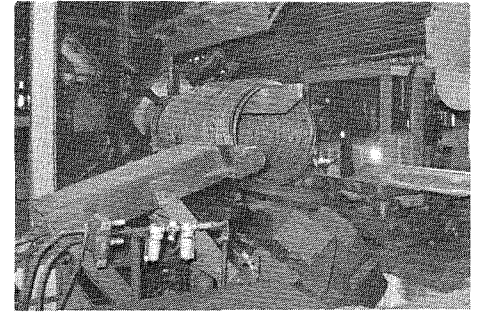
The recently-purchased rod coil compactor was purchased at a public auction at Continental Steel Corporation in Kokomo, IN. This equipment was manufactured by the Morgan Engineering company and is essentially a duplicate of the rod coil compactor/tier that was supplied with Northwestern's present 12-Inch Rod Mill equipment.

"Plans are to install this compactor in the 12-Inch Mill and, along with modifications to our material handling C-hook conveyor system, provide an alternate compactor/tier to reduce operating delays that occur from having only one automatic compactor in the production line," Bob Hoeg, Administrator - Facilities Planning, said. "This should help us improve the mill productivity. Additional changes in the material handling system will allow us to produce and ship a better rod coil package to our customers."

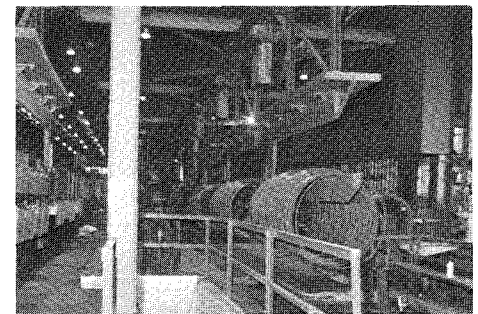
The present compactor is not capable of handling the production itself, according to Hoeg. When backups occur, coils are presently compacted manually, which means the coils are not uniform with those that are compacted automatically.

In addition, Northwestern will be adding 27 more C-hooks to carry coils to and from the compactor. Hoeg said

the Company hopes the compactor will go on line by the end of July. The Company is currently negotiating with the company that supplies the C-hooks, Hoeg said.



A second rod compactor, similar to the existing compactor at NSW's 12-Inch Mill (shown above) will be installed by mid summer.



Northwestern has ordered 27 more C-Hook conveyors, similar to those shown above, to haul coils of rod to and from the compactor. The second compactor and additional C-Hooks will mean reduction in operating delays on the 12-Inch Mill roll line.

Two LMPT Team Projects Gain Approval

The RISE Team and HOPE Team have made successful presentations to the Labor Management Participation Teams (LMPT) Steering Committee.

Earl Santee, Electrician, representing the RISE Team, made the proposal to install a conveyor on the No. 7 Electro-Weld machine to stop the buildup of clippings around the machine.

Currently, wire clippings pile up in the Electro-Weld machine chute, causing downtime. The conveyor, which will be installed at the bottom of the chute, will carry the clippings directly to the scrap pan.

According to 1985 production, the installation of this conveyor will save \$3,580/year.

Work will begin on this project as

soon as possible.

Ray Jamieson, Electrician, made a presentation for the HOPE Team to change the alignment of the magnet system on the Nos. 1, 2, and 3 Mat Machines.

Presently there is a lot of downtime during changeovers, because the magnet system requires rewiring.

Under the new alignment, the magnet system will be far easier for maintenance people to set up the machines during changeovers.

Cost for the new magnet system alignment will be minimal and implementation will begin as soon as possible.

Both LMPT Teams are pursuing new projects.

What's New At NSW

New Furnace Roof Ordered

A new furnace roof for the No. 8 furnace has been ordered from Tub-Tec. The roof currently being used is becoming worn and is requiring a great deal of maintenance. It is expected that the new roof will be in operation next February.

Water Cooled Panels Ordered

A new trial order with Tube-Tec for water cooled panels for the Number 6 and Number 8 furnaces has been placed.

The new panels, which consist of an upper and lower portion for each furnace, are less expensive and of higher quality than the side wall panels currently being used.

These new panels should be in operation some time in December.

Stir Station Pollution Equipment

Foundations have been completed for the Ladle Stand and Traverse Carriage for pollution equipment at NSW's Stir Station.

Installation of the duct work and structural support is nearing completion and the new pollution equipment is expected to be in operation some time in November.

Yard 5 Track Scale Ordered

A new track scale for Yard 5 is expected to be installed by the middle of November.

Rod Compactor For 12-Inch Mill

A second Rod Compactor for the 12-Inch Mill has been purchased at an auction of Continental Steel Company. It is planned that the second Rod Compactor and additional C-Hook Conveyors will be in operation by the end of next July.

Employee Suggestions Pay Off In September

Leonard Amesquita, 14-Inch Mill Electrical, was granted a \$200 merit award and a \$100 safety award for his suggestion that maintenance personnel carry 2-way radios. The 14-Inch Mill hot bed operator acts as the base.

Robert McKenna, 12-Inch Mill, received a \$50 merit award for a suggestion to redesign the 12-Inch Mill delivery guides to make for easier removal when shining roll passes. He also received a \$25 safety award for a suggestion to install a catwalk between the 12-Inch Mill No. 16 stand and the rod train to facilitate the removal of cobbles.

Richard Hoff, Plant 2 Millwright, received a \$75 merit award for a suggestion to put a 3-nozzle water spray on the 12-Inch Mill peel bar to keep bar and bearings cooler.

Ben Martin, Jr., 12-Inch Mill,

received a \$25 merit award and a \$25 safety award for a suggestion to run roller box grease lines through pipes to the outside of the 12-Inch Mill.

Dennis Knapp, Plant 2 Electrical, received a \$50 award (based on an estimated \$500 annual savings to the Company) for his suggestion to tap caster torch limit switch heads for Allen screws to hold bushings in place.

Robert Rubright, Caster Department, received a \$25 merit award for suggesting that argon hoses be reversed on the casters so they are stationary on consoles, consequently reducing damage to the hoses.

Kim Bennett, Over-the-Road Truck Driver, received a \$25 safety award for his suggestion to install a flashing red light at the 12-Inch Billet Yard Crossing.

Reminder

Insurance Re-Enrollment Cards Were Due Nov. 1

After November 1st, claims acquired for employees, pensioners, and dependents will be held for verification of coverage until the re-enrollment card is received. If your card has been lost or misplaced, contact the Insurance Department today to avoid delay in paying your medical bills.

October Anniversaries

40 Years

Everett Yates, 10/15/46, Netting Department.

25 Years

Douglas Martin, 10/23/61, Plant 2 Machine Shop.

20 Years

Betty Henson, 10/4/66, Salaried, Steel Division Sales.

John Steien, 10/9/66, Plant 5 Electrical.

Johnny Manning, 10/17/66, Plant 5 Electrical.

Larry Mewhirter, 10/17/66, Scrap Yard.

James Naughton, 10/17/66, Salaried, Electric Furnace Department.

James Lancaster, 10/19/66, Salaried, 14-Inch Mill Shipping.

Marvin Tichler, 10/19/66, Billet Caster.

Raymond Green, 10/22/66, Brickmasons.

15 Years

John Thayer, 10/14/71, Electro Weld.

Larry Retherford, 10/21/71, 24-Inch Mill Crane Operator.

Rollie Elder, Jr., 10/21/71, Guard.

Robert Cervantes, 10/25/71, Poultry Fence.

Peter Cervantes, Jr., 10/26/71, 14-Inch Mill Finishing.

10 Years

Sharon Wolfe, 10/11/76, Salaried, Medical.

To All NSW Employees

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Recently everyone received a share of the \$2.4 million profit sharing pool which resulted from Company profits of \$8.5 million in Fiscal 1986. During the same time period, \$5,251,000 was charged against the profits due to Worker's Compensation expenses.

In other words, profits and profit sharing could have been 62% higher except for Worker's Compensation. An additional \$1.3 million could have been shared by you, the employee - an average of \$540 per person if injuries had been eliminated.

The elimination of Worker's Compensation expense should be our goal and the only way to do this is to have a safe workplace, safe work habits, safe supervisors and safe employees. More important than the elimination of the dollar cost due to the accidents and injuries is the elimination of the pain and suffering of those employees needlessly hurt at our plants. The work we do in the plants can be dangerous it is true, but other steel companies with like facilities and jobs have injury rates half or even one third lower than ours.

Each and every employee from the top on down must become aware of his or her personal safety and the safety of others. Get involved. Report unsafe acts, unsafe conditions, and unsafe machinery to your foreman, and/or the Safety Department. Your reports *will* be investigated *and* corrected.

Let's make this a *safe* year, an injury free year for all of us. You'll not only be rewarded by good health, but by increased profit sharing dollars by this time next year.

Sincerely yours,
Northwestern Steel and Wire Company
Merlyn G. Bruns, Director
Human Resources

Best Retirement Wishes

Best wishes for a long and happy retirement are extended to the following employees who completed their years of service at Northwestern Steel and Wire Company as of October 1.

Carthel Baker, 14-Inch Finishing, 34 years.

Eugene Grim, Roll Shop, 31 years.

Donald Kramer, Plant 2 Pipe Shop, 31 years.

John R. Pearce, West Plant Machine Shop, 24 years.

Peter Christensen, 12-Inch Finishing, 24 years.

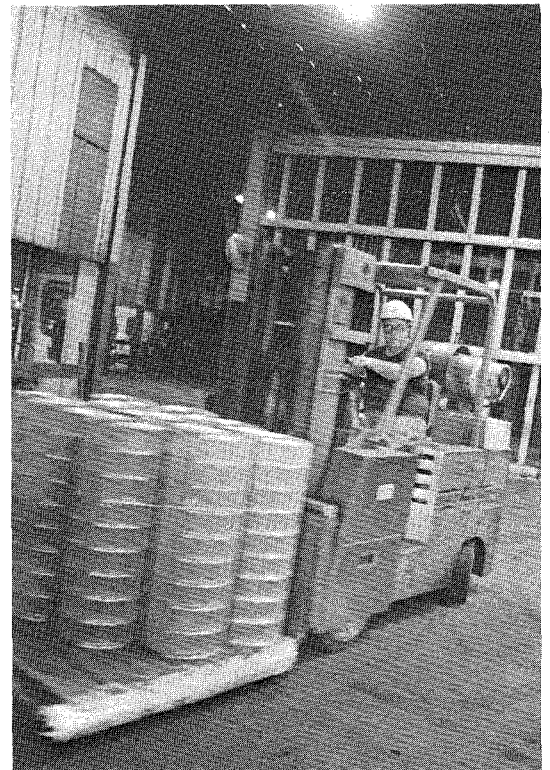
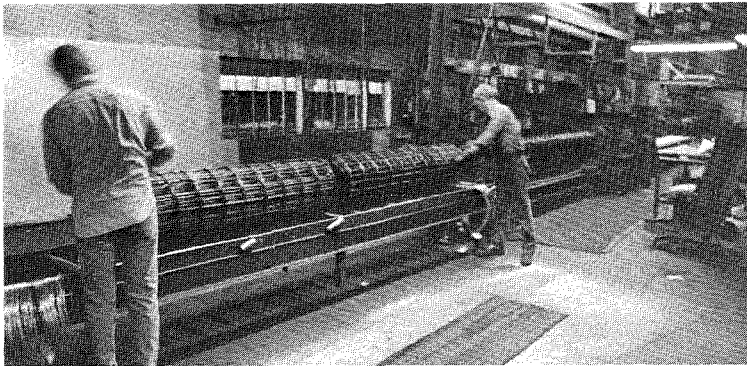
Kenneth Kennedy, Plant 3 Conditioning, 24 years.

Marvin Kuhlemier, Plant 4 Pipe Shop, 31 years.

Joseph Ryan, West Plant Machine Shop, 24 years.

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Pictures From Around The Mills



Mathew Maddox Attends Elite School For Gifted High School Students

Though he is only 14-years-old, **Mathew Maddox**, son of **Mike Maddox**, Drawing Room Shift Supervisor, is learning a lot about math, science, and being away from home.

Mathew, who would have attended Rock Falls High School as a sophomore this fall, is instead living in Aurora and could be among the members of the first graduating class from the Illinois Mathematics and Science Academy.

He is one of 209 high school sophomores who were selected from 875 applicants to attend the school. Most of the applicants were referred by their high school counselors. The school is completely funded by the State of Illinois to allow gifted high school students an opportunity to learn beyond the normal high school curriculum.

"By the end of his sophomore year he would have taken all the math of-

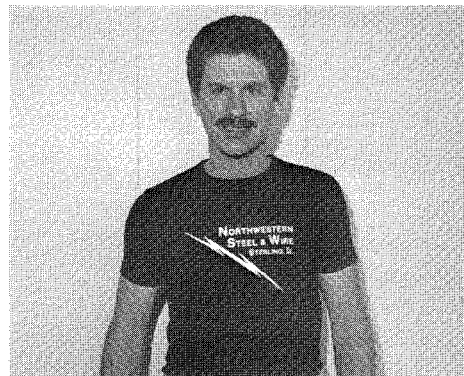
fered at Rock Falls High School," the elder Maddox explained. The Illinois Mathematics and Science Academy has a fantastic program for math and science. Some of the instructors are college professors, with masters degrees and some doctorates. It is hard. The curriculum is very challenging. Students study the same subjects as normal high school students, in addition to the advanced math and science courses. Five foreign languages are also offered."

When the three-year program is completed, students will be able to begin a college curriculum as a sophomore or higher, Maddox said. Aside from the fact that all tuition, room, board, and books are paid for by the State, it is not all roses, Maddox said.

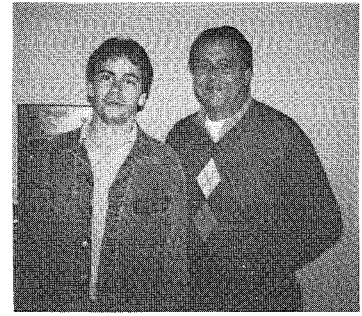
"It has been a super adjustment for Mathew. He has never been away from home before. The students have a lot of responsibilities at the school. It's pretty much like college." In addition to their regular studies, each student is required to work on campus six hours a week in various capacities.

Maddox said this is only the third school of its kind in the nation.

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Northwestern Steel and Wire Company imprinted T-shirts, such as the one modeled by Mike Murphy, Wire Products Salesman, may be ordered from **Jack Buchanan (625-3175)** or **Mike Mason (626-5832)**. The shirts, which are being sold at cost, are red with white letters and sell for \$5.68 for all sizes except extra large, which sells for \$6.88. Anyone interested in obtaining a shirt should contact either Buchanan or Mason.



Mike Maddox, Drawing Room Shift Supervisor, poses with his son Mathew, who was one of 209 high school sophomores selected to attend the new Illinois Mathematics and Science Academy in Aurora.

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Holiday Notice

In conjunction with the Thanksgiving and Christmas Holidays, the following office schedules will be observed:

Thanksgiving: Office closed - Thursday, November 27, 1986

Christmas: Office closed - Wednesday, December 24, 1986, at 12 noon; Thursday, December 25, 1986.

New Year's: Office Closed - Thursday, January 1, 1987.

The above schedules apply except as directed by your immediate supervisor.

NSW's Remote Control Engine

(continued from page 1)

Should the engine go beyond the range of the radio signal or otherwise be shut off, or should the unit malfunction in any way, the on-board encoder/decoder automatically applies the brakes to an emergency stop.

There is also an emergency tilt switch which will cause an emergency stop if the controller unit is placed in a position of greater than a 60-degree angle. Thus, should an operator become ill, injured, or otherwise incapacitated, the unit engages the automatic emergency stop.

Employees should be aware that the radio controlled engine is in operation at Northwestern and that vehicles and pedestrians should give it the right of way.

East Plant Employees Attend Chicago Wire Show

A total of 31 Northwestern employees attended the Wire Association International's 56th Annual Convention and Exhibition, held recently in Chicago.

A comprehensive Technical Session schedule was put together for the show and consisted of speakers on a variety of wire production related topics.

Those who attended the show from Northwestern were: **Mike Mullen**, Vice President, Operations - Wire Products Division; **Bob Tousley**, Vice President Sales - Wire Products Division; **Ed Matthews** - Product Manager, Rod and Wire Division, and **Gordon Rolofson** - Superintendent, Plant 4. Also attending were: **Dave Erby**, **Don Nehr Korn**, **Tom Baker**, **Ken Haverland**, **John Stauter**, **Ted Lightcap**, **Steve Hart**, **Larry King**, **Don LaFavre**, **Don Bielema**, **Ron Leuschke**, **Dick Schuchard**, **Roger Port**, **Barry Johnson**, **Roger Lubbs**, **Dieter Meinen**, **Clyde Kerber**, **Don Heeren**, **Larry Fisher**, **Tom Clementz**, **Bob Sprungman**, **John Reynolds**, **Bob Gholson**, **Buford Linn**, **Don Shehorn**, **Dick Kindler**, **Lee Buntjer**, and **Lin Proeger**.