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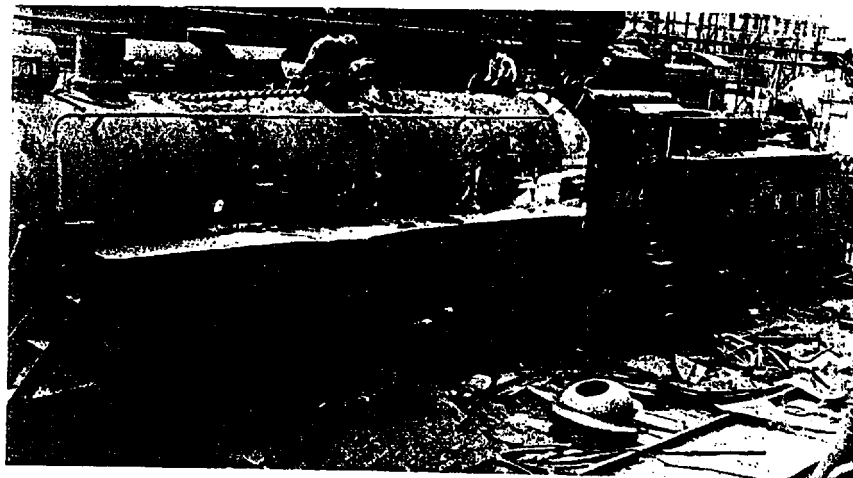
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THE
Arm-co-operator

A MAGAZINE FOR ARMCO MEN AND WOMEN



HOLIDAY DETECTIVE



How Old Are You?

By LEO F. REINARTZ, Vice President
Special Operating Development

MEN with burning torches were swarming all over "Old 704" when I last saw her at Hamilton a few weeks ago. She had been a new, powerful steam locomotive when she first came to Armco, back in 1929. But now they were stripping her, cutting her into pieces. After 23 years of Armco service, she was being reduced to a pile of junk, to be melted in our furnaces. She was the last remaining steam locomotive at any Armco plant. Her successor was one of the new Deisel locomotives — streamlined in design, strong with quiet power, efficient in operation as it glided over the rails. After 23 years, Old 704 could no longer compete with modern locomotives: she cost too much to operate. That is the fate of machines — to be cast aside when better and more useful ones comes along. But fortunately, that need not be the fate of men and women. People are not like machines.

Unlike Old 704, people have the power to change; they can adapt themselves to new circumstances; they can grow. Machines can not learn new ways; people can. Machines are purely mechanical; they have no mind that can discover better methods to do their jobs. A machine can not grow wiser, or more experienced, or more useful than when it was first created. It can only grow older.

There are many examples at Armco to show how men improve with age. Look in at the many training courses being held each year at our plants. Practically every training class, with the exception of apprentices, contains many men who are in that wide area of our lives we call "middle-aged". They are learning more about their jobs, and preparing for better jobs ahead.

Notice the many subjects these men are studying: blueprint reading, electronics, metallurgy, the many shop crafts. They are learning new knowledge, developing their skills and their ability. They are making themselves

more valuable to Armco, and to themselves. They find new pleasure in their work. Most of these men have been with Armco for a long period of time. "Old 704" had been with our company for 23 years, and her period of usefulness had ended. But at Armco there are several thousand men who have been with Armco for more than 25 years, and they are doing jobs that help keep our company in the front rank among the nation's steel producers.

Our company's Suggestion Plan indicates that men of mature years are handing in suggestions which improve safety and efficiency on their jobs, and lower the cost of making steel. More suggestions are handed in, and accepted, from men over 40 years than below that age. And the largest cash rewards, the major awards, have been consistently earned by the suggestions submitted by the older, more experienced men.

There were some who feared the Machine Age meant the end of usefulness of the individual. Yet many of us have seen machines come in, wear out, and be replaced by new machines — all within our lifetime. Like Old 704. As long as we can use our many opportunities to keep ourselves growing mentally, and add to our usefulness, we need not fear going the way of machines.

Your youth lasts a long time. The early years are the beginning of your experience. Your wisdom grows. Your knowledge and your ability grow, too, if you will continue your training, and keep your mind alert to new ideas.

People do not grow old by merely living a number of years. We grow old when we lose our enthusiasm and succumb to a love of ease. We do not have to fear "wearing out" as much as we need to fear "rusting out". You are as young as your faith, as young as your self-confidence, as young as your hope. Those are virtues Old 704 never had.

Armco-operator

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THE COVER

By RAY MILES, Middletown

Armco jobs sometimes have names that may confuse an outsider. For example, the man on the cover this month is Robert Young, of the Fabricating Division, and he is pictured at work looking for "holidays." The word "holiday" means a hole, or thin spot, in the coating of Armco pipe.

The tool Robert is using is an electrical gadget called a "Holiday Tester." Its purpose is to find flaws in the coal-tar enamel coating we put on spiral-welded pipe. If there is a holiday in the coating, the tester will sound a tell-tale "buz-z-z-z." The operator then circles the bad spot with the piece of chalk he holds in his other hand. A fresh coating later is put on to cover up the hole in the coating. And that's the end of the holiday!

The coal-tar enamel coating is put on to do a special job. Inside the pipe it cuts down resistance to water that flows through the pipe—the enamel gets almost as smooth as glass when hard. Outside the pipe the coating protects the Armco pipe from steel's old enemy—rust.

WISE MEN HAVE SAID:

"Write it in your heart that every day is the best day in the year."



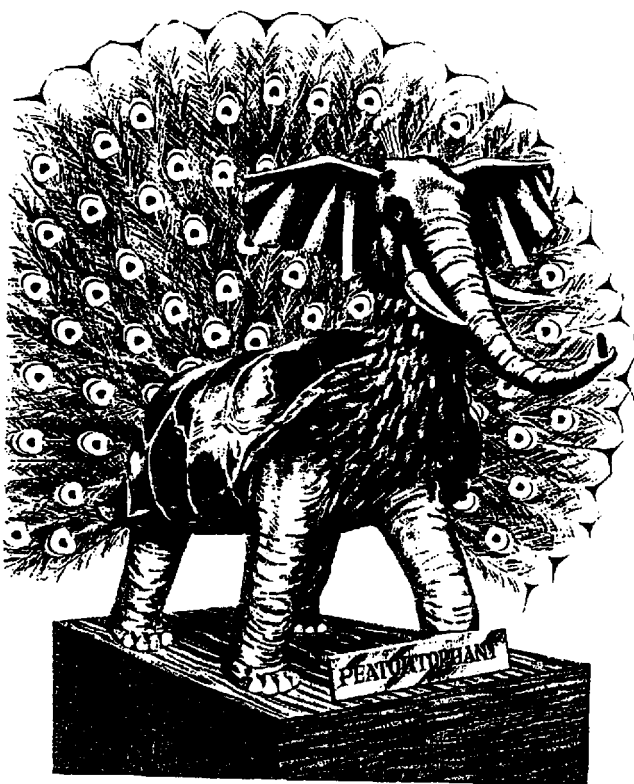
ABSOLUTELY UNRETOUCHED, THIS PHOTOGRAPH IS REPRODUCED JUST AS IT CAME FROM THE CAMERA. COULD THE ODD OBJECTS ABOVE OUR HAMILTON PLANT BE SAUCERS?

FLYING SAUCERS?

We may have a photograph of 3 of them

Bert Ruoff, photographer at the Hamilton Armco plant, set up his camera and took a night view of the big blast furnaces there. It was a successful picture, except for some "queer looking things" that showed up against the velvety black of the sky. That was about five years ago, and we never did understand what the "things" were, in the sky. But, since newspapers and magazines today are full of flying saucer stories, we dug into our picture files to take another look at this one. Sure enough, the objects have that same disc-like shape, plus the weird "light through the center" that people describe when reporting saucers today. We just can't believe that ours are flying saucers, although we do not know what they are. But if they really are flying saucers, this five-year-old picture may establish our saucers as being another of those famous Armco "firsts".

† **STRANGE BIRDANIMAL** at left might be something we would find in a flying saucer. This is not a photograph, but a creation of Armco's Art Department. It was given the name PEATORTOPHANT, because it combines features of several animals. It is used to point out the advantages of Armco stainless steel: the beauty of the Peacock, the long life of the Tortoise, and the strength of the Elephant. Its one of the ways we advertise our steel.





CHICKEN, GRAVY AND ALL THE FIXIN'S KEPT THESE ARMCO FOLKS BUSY FOR QUITE A WHILE. THEY WERE ATTENDING THE MIDDLETOWN DIVISION'S ANNUAL VETERANS PICNIC.

ARMCO VETERANS MEET AT ANNUAL MEETING

HERE'S HOW MANY YEARS Armco people in the parent company have been on the job:

With more than 2 years service	86% of Armco men and women
With more than 5 years service	72% of Armco men and women
With more than 10 years service	48% of Armco men and women
With more than 25 years service	12% of Armco men and women

Outsiders often wonder why there are so many 25 year Armco Veterans. The answer is simple. Armco people get along with each other and they like their jobs. Take a look at the figures shown above. Almost half the people in Armco's parent company have over ten years of service. And about one out of eight has more than 25 year service. Few other companies have that record. On August 2 this year, 1600 Middletown and Hamilton Veterans and their husbands or wives gathered at Middletown's Armco Park for their annual afternoon of visiting, eating and fun. Eat they did. Over 600 chickens, 700 pounds of potatoes and 225 gallons of coffee were only part of the food consumed. The program included a short talk by Veteran Charles R. Hook, Armco Chairman. A distinguished group at the picnic were the 50 year men shown at the right. They are: (standing) James Pierce, D. O. Fisher, Dennis Lauderback; (sitting) Orley Moles, Charles Greer, John Draut, Sr., Arthur Fisher and Floyd Barlow. Their service with Armco adds up to 403 years.



VETERANS among veterans. Each one of these Armco men has over 50 years continuous service. They had much to say at the picnic.



NEW 25-YEAR MEN, Edward Krulatz (left) and Harry Grobe, are welcomed into the Butler Veteran's group

by Harry Gibson, vice president, and George Bayer, president (right).

BUTLER VETERAN'S PICNIC

It was fun for all on July 17 as the Butler Armco Veteran's group held their annual picnic. The 25 year men and their families chuckled at an amusing one act play and the kiddies were shown a comedy featuring old favorites, Laurel and Hardy. It was held at Butler's Armco Park.

Before supper some lively ball games and horse-shoe pitching stirred plenty of friendly rivalry. Appetites were stirred, too. Of course, everyone was interested in the prize drawing. The lucky ones are shown below. But all went home tired and happy after an enjoyable day with their



BUTLER VETERANS have lost none of their enthusiasm for softball. Guess the batter has struck out.

Armco friends. Chairman Ed Norton with his committee of 30 veterans did a fine job.

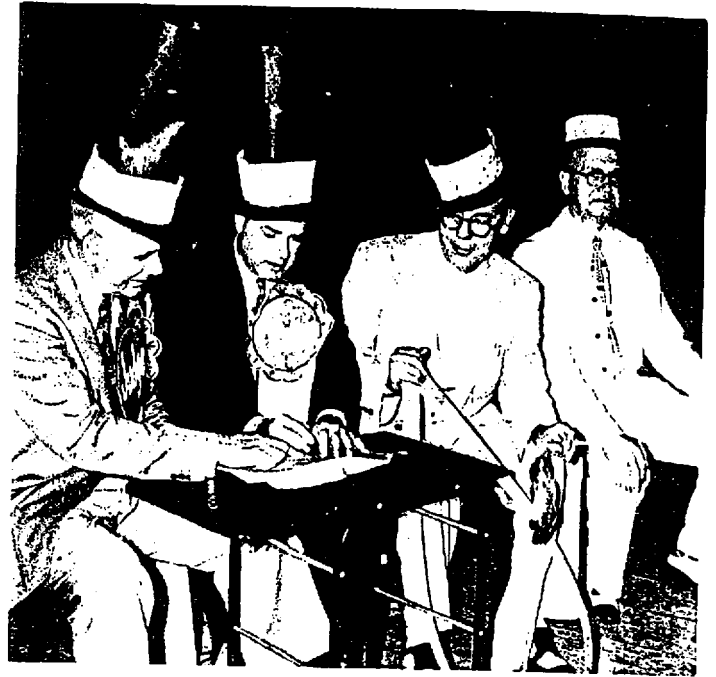
The Armco Veteran's group at the Butler Division is a large one. They have over 400 members: 62 of them are retired from active service. What's more, 19 of them have more than 40 years of service to their credit. Besides the newest veterans shown above, three more were welcomed into membership at the picnic but weren't around at picture time. They were Anthony Klara, Harry Travis and William Gardiner. Armco's Founder, Geo. M. Verity, called the Veterans "Armco's Legion of Honor."



LUCKY WINNERS IN PRIZE DRAWING WHICH CONCLUDED BUTLER PICNIC. ALL HAVE A USEFUL ITEM TO REMIND THEM OF THEIR ARMCO FRIENDS AND THE 1952 VETERAN'S OUTING.



PLAY CONFERENCE. The four men in blue are all Butler Armco men who umpire in their spare time. They Ump at the Little League Baseball games in Butler. They are pictured above getting instructions from the Little League President (left to right) John Chuhra, Louis Loutzenhiser, Wilford Boring and Jack Povlick.



GIRL CONFERENCE. Bathing Beauty Judges (left to right) L. T. Johnston, R. A. Dadisman, D. S. Hoistein and E. J. Goldschmidt found out that judging a beauty contest could be a damp affair. Just as these Armco judges were ready to announce the winners of the Middletown Armco Girls contest, the rain came pouring down.

THERE'S ALWAYS A CONFERENCE GOING ON



FUN CONFERENCE. Captain Glenn, a Cincinnati Kiddies Television Star was one of the entertainers at the Middletown Division Armco Family Outing. After the show, Captain Glenn had a conference with Hamilton and Middletown children who just wanted to talk to a real live "hero of their home television sets"



WORK CONFERENCE. Leo Hetzler and Jim Gutshall have an on-the-job conference. Jim, a First Helper in East Work's No. 2 Open Hearth, points out to Leo, his Second Helper, the grain structure in a test sample of steel. This is one way



"BEAUTY" AND EARL WILHOIT pose outside the barn for the Arm-co-operator cameraman. Beauty is a reg-

istered black Aberdeen-Angus heifer and, according to Earl, the pride and joy of the entire Wilhoit family.



"HERE'S OUR PROOF that we raise prize-winning cattle," says Earl and his son, pictured with ribbons.

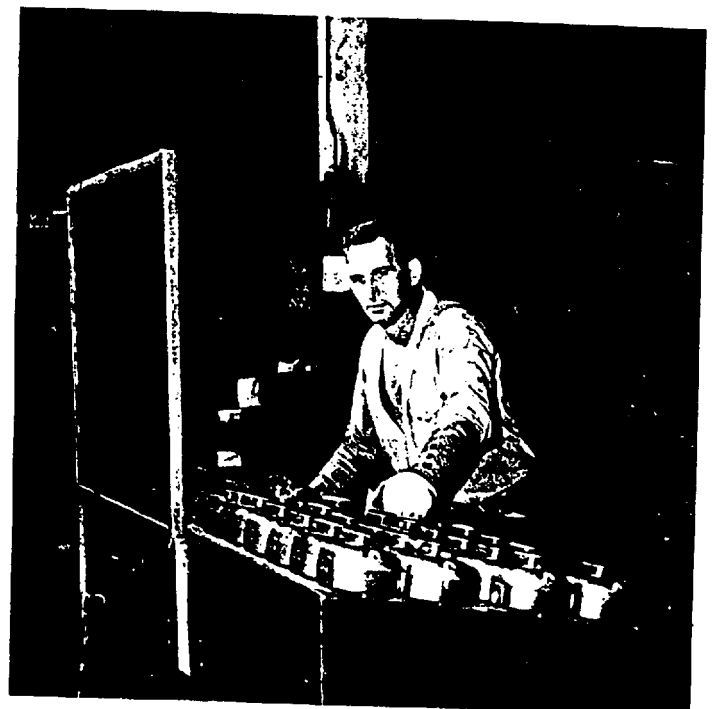
Part Time

CATTLE RAISER

Strange, indeed, seems the combination of steel-making and cattle raising. But Earl Wilhoit, Slitter Shear Operator at East Works, has combined the two—and profitably. Earl lives on a 55-acre farm about 4 miles from the plant where he works. His hobby is raising registered black Aberdeen-Angus cattle. This Armco man, with the help of his son Earl, Jr., buys young calves a few weeks old, and raises them into fine, beautiful prize winners. When the cattle are full grown, the enterprising Earls sell them at auctions, and at fairs. Of course they have their favorite animals. "There just isn't enough money to buy one particular heifer," the elder Earl says. "Her full name is 'Ericks-Elba—M. V. 10.' But we call her Beauty. She is our pride and joy, and also our top blue-ribbon winner. Fact is, Black Beauty is just like one of the family."

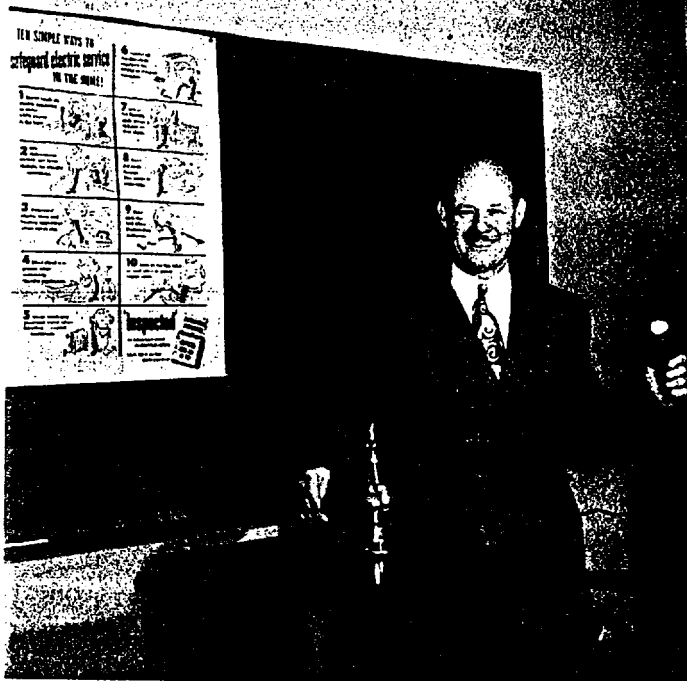


ALL ARMCO MEN know the value of good housekeeping. The above picture shows Earl, Jr. and Beauty, knee deep in clean hay. Note the good barn housekeeping.



RAISING FINE CATTLE is an after-hours job for Earl Wilhoit. His Armco job is running the Slitter Shear in the West Processing Department at East Works.

BIG STORIES BRIEFLY TOLD



SAFETY SALESMAN

PAUL GRUNDMAN, Rustless Safety Advisor, is shown above demonstrating how a table lamp with a frayed cord is dangerous. "With such a bad cord", says Paul, "You can get a shock which can kill. Be safe at home as well as on your job."



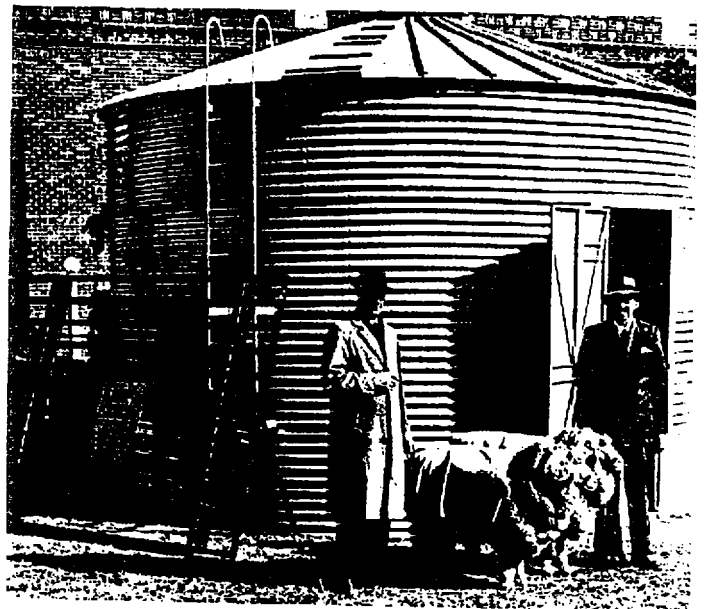
PERSONAL INTERVIEW

CHARLES BELL, (left) Butler, tells of his experience to a tape recorder. Later, the recording of how Charles' eye was saved by safety glasses will be played back so other Butler men can hear the story. "Interviewer" is Elmer Best; Personal Rel.



EARNED HIGHEST AWARD

JACK POVLUCK and Mrs. Povlick are shown admiring the Silver Beaver Award that Jack received recently. The "Beaver" is given to Boy Scout Leaders with outstanding records. Jack is a Butler Wheelworks man with 30 years in Scouting.



ARMCO AUSTRALIA & SHEEP

ARMCO GRAIN SILOS, like that shown above, are very popular in Australia. Telling about our products at the Sidney Sheep Show were two Armco men, Don Perry and Tony Bull. We hear the two rams pictured are valued at about \$4500 each.



REGISTRADA

STEVE JACKMAN, Butler Shipping Dept., stencils Armco speciality steel in several languages. Above Steve marks "Marca Registrada" for a shipment of steel that is going to Guatemala. The Spanish words, translated, mean Registration Mark.

THE MYSTERY OF THE

DEAD BATTERY

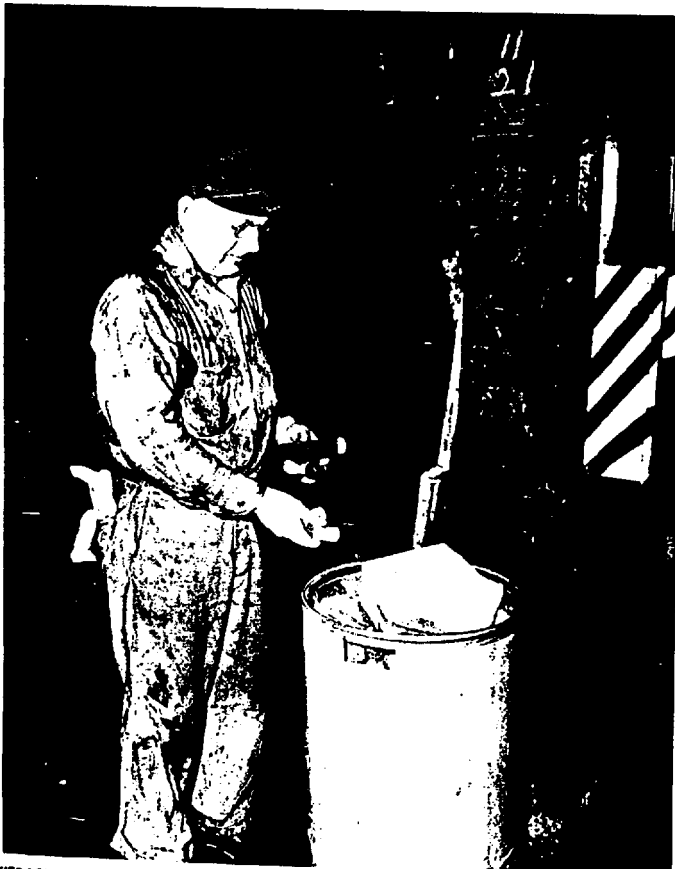
Why did the dead cell come to life at the wrong time?

"I remember that case very well", said the Inspector in the Butler Safety Department. "I call it The Case of the Dead Battery." He reached into his files and showed us three photographs. "You see here", he began. "That's Pat Sutton, one of our maintenance men. He put a new battery, or cell, in his flashlight. He threw the old cell away, because it was dead. Then John Schnitzki of the Inspection Department, got the can and hauled it to the incinerator to burn the contents. But look at this picture! There is an explosion! John might have been burned, or blinded from that explosion. Fortunately, he was unhurt that time, because he was standing off to one side."

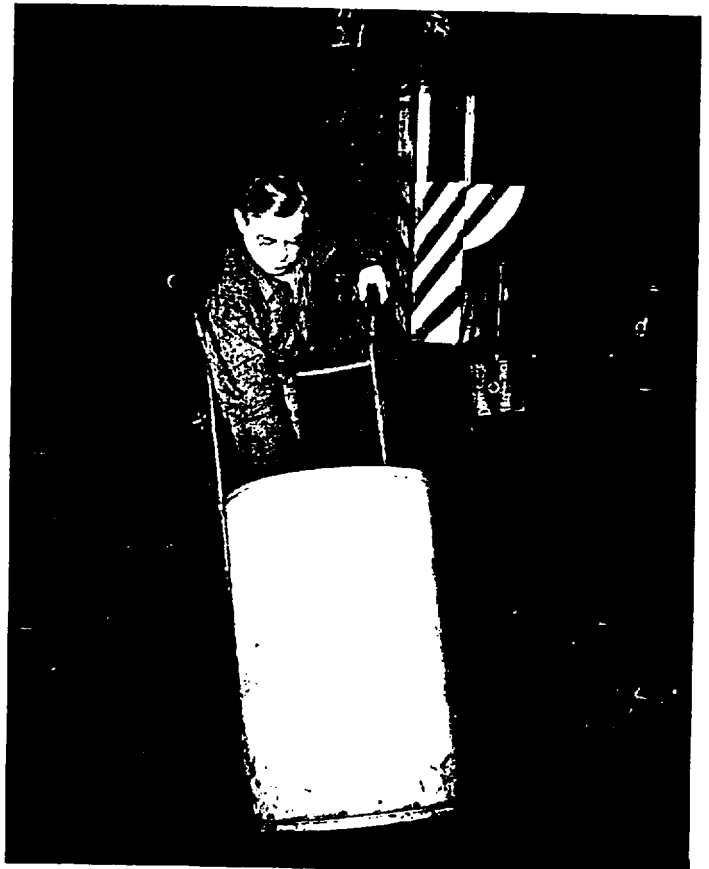
"I solved it this way: heat from the incinerator caused the dead battery to expand, and explode. The way to keep dead batteries from coming alive is to cart them away with brick fragments. Or dispose of them some way without heating them." (Thanks to Pat and John for "posing" for these pictures. It is an accident that *has* happened, and could happen again. So, be careful with "dead" batteries. They may be aliver than you think.)



"BANG" WENT THE EXPLODING BATTERY WHEN IT BECAME HEATED IN THE TRASH BURNER. JOHN WAS UNHURT.



"TRASH CANS", says Pat Sutton, "Are for trash". And he tosses his "dead" flashlight battery into the can, and replaces a new battery in his flashlight case.



ALONG COMES JOHN, to empty the trash can. It will be dumped into the big incinerator. John does not know the "dead" battery may cause him some harm.

BUTLER DIVISION

Many Thousands at the Butler Annual Picnic



SHUCKS! Butler picnics are no fun in a wheel chair.



WHAT A SCRAMBLE during the shoe race.



ALWAYS popular at picnics are the tents that hold the food.



THE BEST WAY to win this race is to get running—and now!



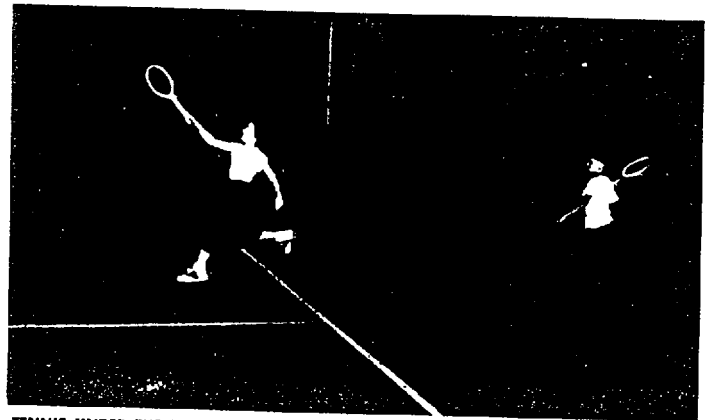
KIDS AND THEIR PETS from the Mining Division at Montcoal

MINING DIVISION

Play Program Draws Many at Montcoal



NIGHT HORSESHOES—must have been a pretty good toss.



TENNIS UNDER THE LIGHTS—but who hit the ball?



VOLLEY BALL games brings about fun and excitement.



KIDS AND GROWNUPS, TOO, enjoyed the afternoon's entertainment.



HUNDREDS OF Middletown folks entrained to LeSourdsville Lake.

MIDDLETOWN DIVISION

Two Big Picnics for Middletown Division Folks



THE COLORED ASSOCIATION folks had their picnic in Middletown.



THE CHOW LINE moved fast at the Tubing Division picnic.



AW COME ON, I know this hoss can go faster than this.



SAY—this "Skee Ball" is a really tough game.

TUBING DIVISION

They Held Their Picnic at Lakewood Beach



CLOSEST GUESSER is the winner. He takes all.



WILLIAM GEALEY, Butler's Assistant Supt. of Rolling Dept., turned entertainer and cook recently when his

son, Bill Jr., had the Little Leaguers baseball team over for a feast. You can almost taste those steaks.



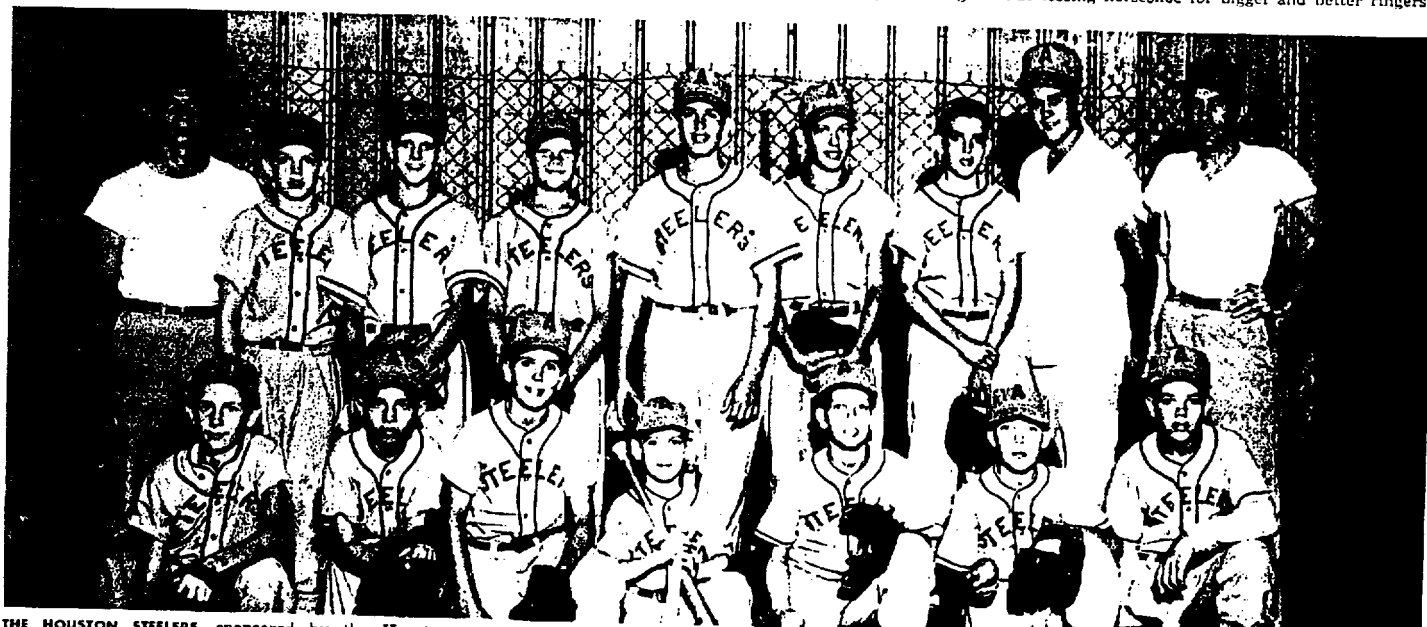
HOW TO MEASURE a "Jerk"! Rustless Safety Inspector, Bob Williams, is demonstrating a new Rustless-built gadget. It shows crane operators what happens when a load is hoisted suddenly instead of taking the lift up gradually. The arrow on the right shows the actual weight of the load. The arrow on the left points to the strain that is placed on cranes and runways through "Jerk" methods of handling.



HOME ARTIST Andrew Russin, of the Butler Open Hearth, has been interested in art most of his life. Most of his paintings he does right in his own home. Above, Andy is pictured with two of his most recent water color paintings.



BIGGER RINGERS! M. McMaken and Wm. Honeycutt each received a prize for winning the horseshoe contest at Piqua's Tubing Division Outing. And together they also were given this giant size tossing horseshoe for bigger and better ringers.



THE HOUSTON STEELERS, sponsored by the Houston AD&MP plant, finished their season recently. They

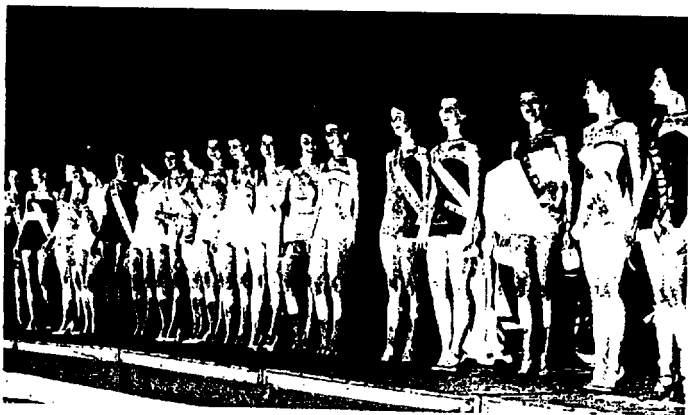
ended up with the runner-up position after the post season play-offs. The Little Leaguers play in an

8-team league. The age limit for players is 13 years, and they play on special, smaller sized diamonds.

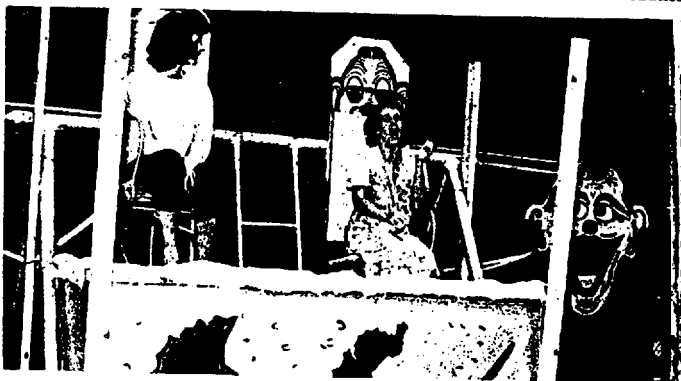


ARMCO BEAUTY QUEENS

Interesting highlight of the Middletown Armco Girls Association's recent Jamboree was a Bathing Queen Contest. The three winners are shown above. They are (left to right) Ella Mae McQueen, Sally Boxwell and Pat Anthony. Each contestant's sash was lettered with a familiar Armco name such as "Miss Coils", "Miss Ingot", "Miss Zincgrigip" about 28 in all. And the bathing beauties really got wet; it rained hard during the contest.



JUDGES had a difficult time choosing winners from this line of Armco beauties.



GIRLS also had a "dunking machine". Throw a ball — hit the target — dunk a girl.

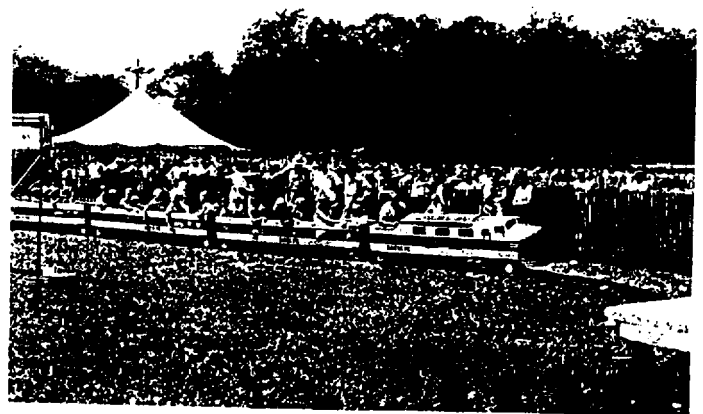
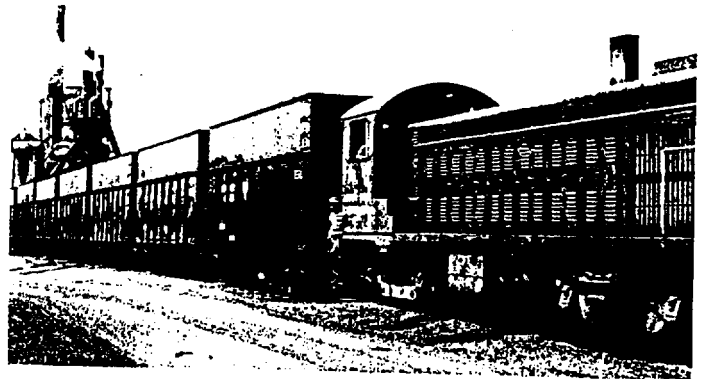


"IT'S ALL YOURS" say Hamilton men as last car is turned over to R. R. crew.

BIG BUILD-UP

The new blast furnace nearing completion at Middletown will need railroad cars to haul coke within the new plant. The men at the nearby Hamilton Round House tackled the job of making the cars, and they turned out a super-dooper performance. The men obtained parts for the cars from the scrap pile at the Middletown plant—good parts, but used ones. This included frames, wheel and axles. They built the cars from the ground up, and they went up pretty high (note picture of the "new" cars). The high sides allow larger-sized loads of coke to be hauled than in hopper cars of normal height. Practically all the sides and bottoms were made from Armco material. Congratulations to Eugene Miller, Foreman, and the Hamilton Round House men!

(BELOW) A long string of the "new" cars start for new plant in Middletown.



FUN TRAIN

THE STORY about railroad cars from Hamilton, up above this picture, reminded us that a lot of Armco youngsters this Summer got train rides at their Armco family picnics. Here's the "Santa Fe" train at Butler's annual Armco family outing.



ARMCO MEN and WOMEN IN OUR COUNTRY'S ARMED FORCES



THESE MEN ENTERED THE SERVICE RECENTLY:

BUTLER DIVISION

Merton W. Hutton
Victor Parker
Alfred N. Spohn, Jr.

EAST WORKS

Harlan Bellamy
Herman Jones
Donald F. Long
Willie Marvin
Roy P. Roman

HAMILTON PLANT

James Vincent

RUSTLESS DIVISION

Andrew J. Oler
Charles E. Shaw
Robert W. Wright

ARMCO DRAINAGE & METAL PRODUCTS, Inc.

William Neff, *Central Div.*
John I. Poe, *Central Div.*
Bennie A. Cegelski, *Southwestern Div.*



HONOR ROLL



Killed In Action

- ★ RICHARD ISOVITCH, Butler
- ★ JOSEPH FERENC, Butler

Died In Service

- ★ STEPHEN BAKICH, Butler
- ★ WOODFORD CHANEY, Fabricating
- ★ WILLIAM DIETZ, East Works
- ★ WILLIAM McLAUGHLIN, Fabricating
- ★ JOHN E. MINOR, East Works
- ★ GEORGE RICHARDSON, AD&MP

BUTLER



Michael Ostwinch, Jr.

MINING



Allis Goodson

EAST WORKS



Lowell Darrell

FABRICATING



Paul Tucker

MINING



Carl Smith

MINING



Darrell Lovejoy

MINING



Lewis McCormick

FABRICATING



Millard Conarroe

MINING



Carlos McGinnis

ZANESVILLE



Danny E. Angles

ZANESVILLE



Raymond Rutter

MINING



Harry Alderman



"I Escaped from the Russians"

We will have to call this Butler Armco man "Mr. X". He once lost his freedom to the Russians. And because he has brothers and sisters behind the Iron Curtain he asked us not to use his name or show his face for fear of what might happen to those members of his family.

Mr. X's story came out during one of the discussions at the Butler Armco plant about the movie "In Our Hands". He told his buddies that the story in the film could be true, for he had had the experience of having his freedoms taken away. He told about the suffering, hardship, distrust and fear behind the Iron Curtain. Here is his story as he told it:

"I was living in a small, pleasant village in Central Europe when the Nazis started "shanghaing" men for the Nazi Army. Along with other patriots I escaped across the border into Poland. The Russians were occupying Poland.

"For entering, Poland and Russian border police arrested us. We were tried, but none of us were allowed to offer any defense, and we were all sentenced to 5 year imprisonment.

"The next four weeks after the trial we spent in a box car heading for the interior of Russia. Then a short stop and transfer to another box car and up into the heart of Siberia. Our destination was a slave labor camp. Along with thousands of other slave-prisoners we were put to work building a railroad. There were about 15,000 of us at that camp.

"Our section of the roadbed was many miles from the camp. We walked the entire distance to work each morning. After working all day at hard labor there was always the weary miles march back to camp. We would get back long after dark. This went on every day, seven days a week.

"Countless prisoners died from exhaustion and hunger. Our food was damp black bread and thin watery soup. It was a starvation diet. Conditions were so bad that many of the prisoners just gave up living. They killed themselves by running against a fence that was heavily charged with electricity.

"I was one of the lucky ones. After 22 months of this ordeal I was released to join a "nationalist" army that Moscow had ordered the puppets who were running my country to recruit. I lost 80 pounds during my stay at the slave labor camp, dropping from 175 pounds down to 95.

"When World War II ended with Germany's defeat, I was able to start my escape. I first fled to Czechoslovakia and later made my way into the U. S. zone of Germany. In 1948 I came to America and found a fine place to work at Armco in Butler.

"Over here, in the United States," said Mr. X, "I have much to be happy for. I earn a good living. I have a bank account. I live better. But most important of all—I am free!"



STEEL INGOTS GET SOAKED IN FLAME

Ingots are placed in "soaking pits" to heat them thoroughly before they are rolled into long thin strips, or coils, of steel. This picture from East Works shows a glowing ingot being taken from one of the soaking pits. It will now start the long journey through the mill. To get one ton of steel in ingot form, it is necessary to charge into the open hearth furnace about 1.3 tons of materials. Of this amount, about 1.15 tons could be called "metallic substances". The loss between the amount of material charged, and the weight of the ingot, is accounted for by the slag, oxidation loss, and a small amount of recoverable scrap.

In American steel mills, about 75% of the ingot is able to be shipped to customers in the form of "finished" steel products. The other 25% is mostly scrap which is put back in the furnaces and remelted.

INSIDE INFORMATION

NEWS ABOUT STEEL — AND ARMCO

Time is getting ripe for a most important event in the steel industry, and Armco. Before the end of this year, we can expect to see the first carload of iron ore pellets arrive at an Armco blast furnace.

Right now, the finishing touches are being put on the "concentrating" section of the large-scale pilot plant at Babbitt, Minnesota. This plant is located near the Taconite ore fields. It crushes the hard rock, grinds it finely, and separates the iron from the rock by using filters and electric magnets. Product of this process is called "iron ore concentrates."

Within a few months, a second part of the Babbitt plant will be ready to form the concentrated ore into small round balls, or pellets. From the "pelletizing" plant, the balls of 60% iron ore will be shipped in railroad cars to the docks at Two Harbors, Minnesota. There the pellets will be loaded into regular ore boats for the Lake Superior trip to Toledo, Ohio. It then will be transferred from the boat into railroad cars for the final trip to Armco blast furnaces. The equipment used for hauling, loading and unloading the pellets is the same as that used for handling regular iron ore. The Babbitt plant is expected to produce 300,000 tons of pellets a year.

Some day, maybe 5 years from now, another plant, much larger than the one at Babbitt, will be built at Beaver Bay, Wisconsin. This will require a whole new town, with dock and harbor facilities. It will be 45 miles by rail South of the Taconite fields, on the shore of Lake Superior. Even now, before the Babbitt plant is finished, ground is being cleared for building the one at Beaver Bay. All this activity takes a whale of a lot of money and planning, and Armco Steel and Republic are the companies footing the bill.



Meanwhile, 1700 miles away from Babbitt, on the Labrador-Quebec boundary line in North East Canada, another project is underway. There, the Iron Ore Company of Canada (Armco is one of its partners) goes ahead with a plan begun 3 years ago. The iron ore has been located, and a 360 mile railroad is being built to get to it. It is a very good grade of ore, and can be shipped practically as it is scooped up from the surface of the earth. The rugged country makes railroad building difficult and slow. But the half-way mark on the 360-mile track will probably be completed this year before cold weather slows up progress.

It will be a long time before we get iron ore from the Labrador unit. Mining will likely begin late in 1954. First shipments of the ore will be coming in to Armco furnaces in the Spring of 1955. The cost of developing this new ore field is being shared by several steel companies besides Armco.



REMEMBER? . . .

Back in 1951, the April issue of The Armco-operator had a picture on its cover, titled "Iron Ore of the Future." It showed two Armco men amid millions of iron ore pellets which were being made in our first pilot plant at Ashland. An item inside the magazine said: "Some day, these ore pellets may become a common sight at every blast furnace." The information printed at the right of this page, brings the story up to date.

The job of every Armco man and woman depends upon a constant supply of iron ore. Without that precious ore, we could make no steel. As the production of iron ore becomes less and less at the Mesabi Range in Minnesota, we need to find ore somewhere else. It has been found. It requires millions and millions of dollars to develop these new ore sources. But it is the only way to protect the future of our jobs.



NEW VICE PRESIDENT

R. S. GRUVER has been elected Vice President in charge of Planning. He will be responsible for long range planning throughout Armco and all of its subsidiaries. Gruver started with Armco in 1925 as a laborer. In 1931 he was sent to England to work with plants associated with Armco. He has also been Assistant Manager of the Fabricating Division, Manager of the Ashland Division, and since 1949 has been Assistant Vice President of Operations. He is located at Middletown.

RECENT PROMOTIONS

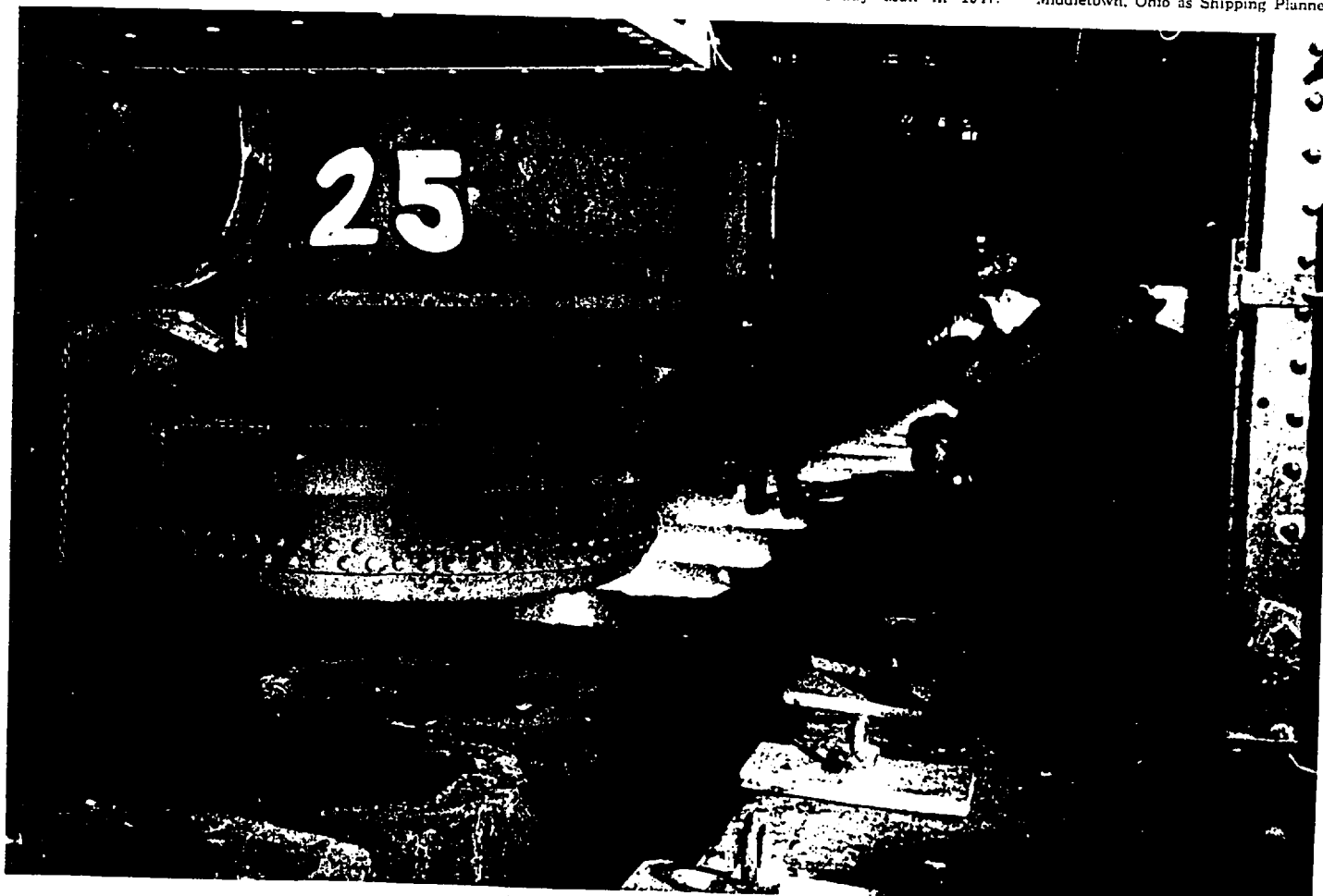
'WE ALL GROW WITH ARMCO'



LOUIS BOEHM has been promoted to General Foreman, Fabricating Division's Maintenance Department. He started with Armco in 1937, transferring to the Fabricating Division as a Junior Time Study Man in 1947.



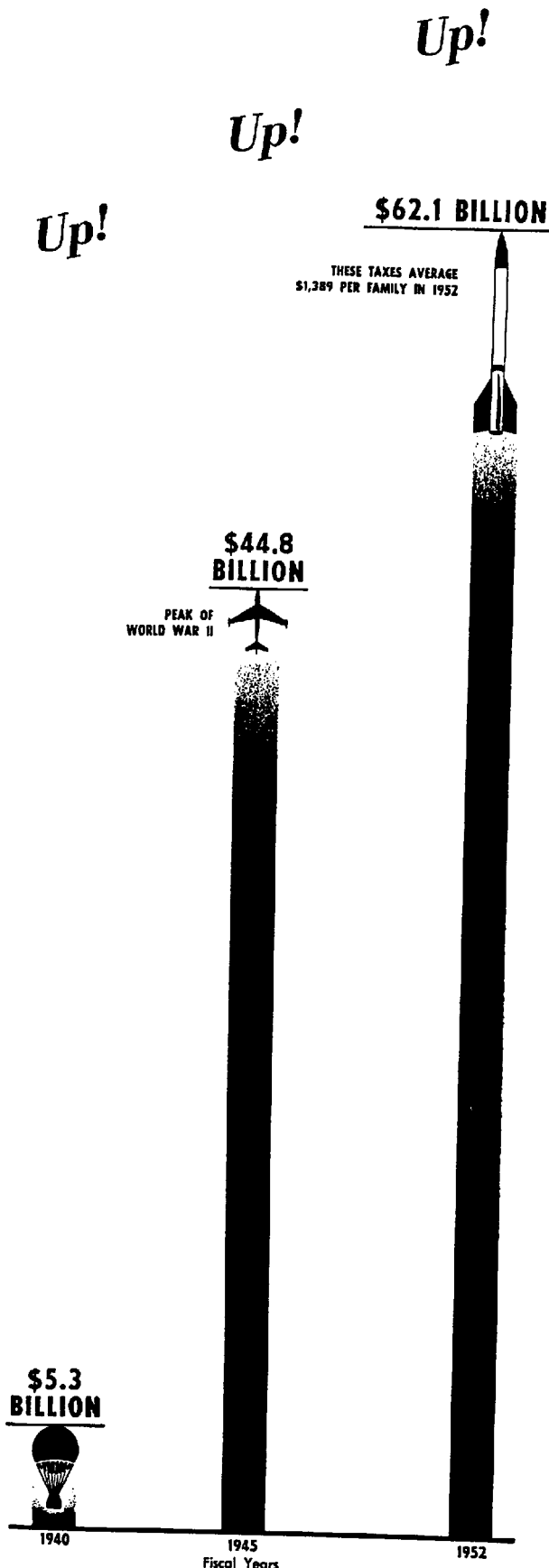
EDWARD C. VOLLETTE has been named Superintendent of the Washington Court House, Ohio, A D & M P plant. Prior to being transferred Vollette worked in the Fabricating Division at Middletown, Ohio as Shipping Planner.



CONGRATULATIONS!

THAT big "25" on the ladle at the Butler plant is Butler's way of reminding us that it was 25 years ago this month that Butler became a part of the Armco organization.

to Butler Armco folks by Chairman Hook and President Schaid. Butler has 3700 men and women on the payroll; 25 years ago it had but 1350. Butler is the



**FEDERAL TAXES
HEAD FOR THE
STRATOSPHERE**



WHAT DO CHILDREN THINK ABOUT ARMCO?

This poem was written by 26 fifth grade students after they visited Armco. Each child wrote one or two lines of the poem. Their teacher thought you might like to read it.

STEEL

- A** is for Armco, that makes the best steel
For your icebox and oven and automobile.
- B** is for "bloomer" which rolls the steel flat;
Also the blast that blows off your hat!
- C** is the convertor which turns iron into steel;
When it blows off, a hot geyser you'll feel!
- D** is for danger that lurks all around;
It creeps up around you without a sound!
- E** is for engines that turn the great sheets
With moaning and groaning and grinding and squeaks.
- F** is for fifty, the long years you have served;
A shining gold medal, you've long since deserved.
- G** is for "golden" — your "steel" anniversary;
For the products you make in your big, big nursery.
- H** is for heat— thousands of degrees!
Even in the cold mill, nothing will freeze.
- I** is for ingot, which lives in a mold;
It is rolled into sheets and then it is sold.
- J** is for junk, the scrap which you use,
From a huge locomotive to a tiny, wee fuse.
- K** is for kitchens with cupboards galore,
Of stainless fine steel from ceiling to floor.
- L** is for ladle, a giant soup spoon —
Only a giant could finish by noon!
- M** is for men who endanger their lives
By working in factories that sound like beehives.
- N** is for needle that gives you a shot —
You might wake up on a big steel cot.
- O** is the open hearth furnace so large;
Every few hours it has to be charged.
- P** is for pigs that are made from iron ore;
The nation is calling for more, more, and more.
- Q** is for quality, the very best kind;
It's made in Armco, the best you can find.
- R** is the rolling mill that the steel rolls through;
After this process it's shiny and new.
- S** is for stainless that Armco makes;
Steel that is strong and hard wear it takes.
- T** is for tons and tons and tons,
Used in peace, and in war for guns.
- U** is for uses a million or two;
It'd take two years to name just a few.
- V** is for vehicles that carry it far,
Truck and transport and a long box-car.
- W** is for water that keeps the steel cool,
As it bounces and bobs and ends in a spool.
- X** is for xylophone: when you play it, it sings;
That's' what a steel wire sounds like when it pings.
- Y** is for you, who uses it most,
(We thank you for being a very fine host!).
- Z** is for zest, the enjoyment we had
On our trip to Armco — everyone seemed glad.



THE LUCKIEST KIDS IN THE WORLD

- LUCKY . . .** because they live in America.
- LUCKY . . .** because they have enough food, enough clothing. Few other nations of the world have as many of the necessities of life for their children.
- LUCKY . . .** because they attend schools where truth is taught.
- LUCKY . . .** because they can attend Church or Sunday School along with their parents, wherever they wish. They need not fear to worship God.
- LUCKY . . .** because they need not fear their government. And when they are old enough, they can decide by their votes whom they shall have as their President and their lawmakers.
- LUCKY . . .** because of their boundless opportunities for the future. They may work where they please, quit when they please, own their own homes, live where ever they wish to live. They may start up their own business, or work for someone else at the world's highest wages. No other boys and girls in the world have as many opportunities.

THEY ARE the luckiest kids in the world . . . because they are Americans!

ARMCO STEEL CORPORATION