



American  
**PARADE**

PUBLISHED FOR AND BY EMPLOYEES OF AMERICAN FOUNDRY EQUIPMENT CO., MISHAWAKA, IN

## New Personnel Changes



### A. H. Freeman Joins R. Orth In Detroit Office

A. H. (Ardee) Freeman has joined R. L. Orth in representing AFECO in the Detroit territory, filling the post vacated by the death of M. T. Mortensen.

During the past seven years Ardee acted as sales representative in the Northern Indiana and Southern Michigan areas.

Ardee's early business experience included positions as electrician at American Brake Shoe and Foundry Co. and at James A. Brady Co. He joined AFECO November 4, 1918. His experience with this Company has been wide and varied, including such practical things as machine shop work, assembly operations, engineering, experimental and research work. He is an expert service engineer, having supervised the installation and repair of AFECO equipment for many years.

In 1935 Ardee was given the responsibility of helping the company's British licensee, Tilghman's Patent Sand Blast Co., Ltd., in setting up manufacturing processes for Wheelabrator equipment. He was in England three months on this important assignment.

*Continued on Page 2*



### Albert Blaskie Assumes Duties as Supervisor of Aluminum Foundry and Coremaking

Albert Blaskie, quiet and unassuming, but efficient, will have ample opportunity to apply his 22 years accumulated foundry experience in his new job as supervisor of the aluminum foundry and core making operations in the new foundry building.

Twenty-two years ago, Al started in at the bottom in the foundry of the Dodge Mfg. Co. — as an apprentice. For four years he spent long, hard hours absorbing tricks of the foundry trade. At the end of his apprentice period, however, he was a qualified foundryman prepared to make intricate cores and molds and carry on the many other specialized operations required in the foundry.

From Dodge's he went to the foundry in the South Bend plant of the Westinghouse Electric and Mfg. Co. as a molder and core maker. When they left town, he secured work at the S & H Foundry in Mishawaka. Some of our casting requirements were filled at this foundry and Dave Coble,

*Continued on Page 2*



### C. A. Snyder Adds Sales Duties To Engineering

In addition to his regular engineering duties, Clyde Snyder is now handling sales correspondence and proposals for pressure blast equipment and dust collector systems.

Since some of our readers may not know Clyde we would like to give you a few highlights about him personally and about his activities with the Company.

Clyde started working in our engineering department before he finished high school. His first job was a temporary one — that of making the very first Tumblast parts book. He made all the sketches free hand — exterior, section and perspective drawings.

The temporary job, however, stretched into making drawings for Sandcutter parts books. Then he was assigned the task of preparing proposal drawings for pressure blast machines. And, when the Wheelabrator was being developed in 1932 he made the detail drawings of the wheels and blades.

The Company had manufactured cloth screen type dust collectors for several years, but these did not have the efficiency

*Continued on Page 2*

## AFECO Credit Union Elects New Officials

In accordance with the by-laws of the AFECO Credit Union a new panel of officers were elected January 27, 1944. They are:

### SUPERVISORY COMMITTEE

J. Robert Bunch  
James Evans  
Harold R. Groh

### CREDIT COMMITTEE

Jackson Snyder  
John Wolf  
E. Clair Wilson

### BOARD OF DIRECTORS

William R. Shultz, *President.*  
Wilmer Simms, *1st Vice Pres.*  
Albert Blaskie, *2nd Vice Pres.*  
Marie Davis, *Treasurer*  
Odelia Schaut, *Secretary.*

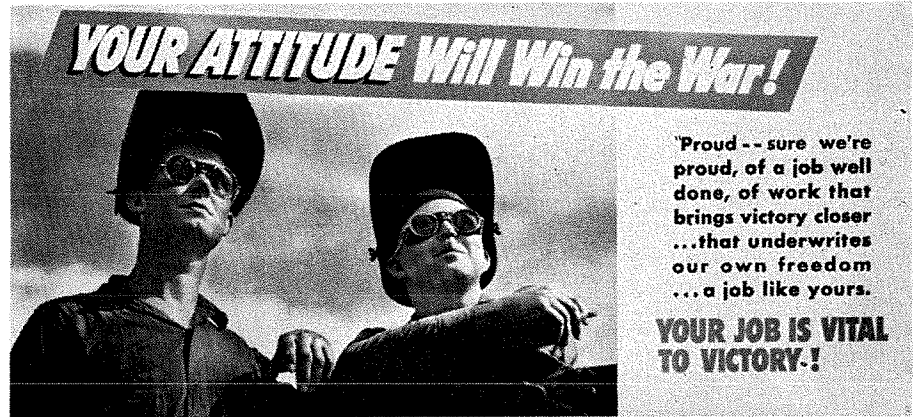
The tenure of office varies. Messrs. Bunch, Snyder and Shultz serving for 1 year. Messrs. Evans, Wolf, Simms and Mrs. Davis for 2 years and Messrs. Groh, Wilson, Blaskie and Mrs. Schaut will hold their positions for 3 years.

The task of auditing and approving the books has been completed by the committee appointed for that purpose.

## Join the AFECO Credit Union Now!

The AFECO Credit Union is not merely a good place to borrow money at the low interest rate of 1% per month, but it is also an excellent way to SAVE money. Put your extra money into the Credit Union and earn dividends — invest your money and yet have it easily available in case you need it in an emergency. JOIN THE AFECO CREDIT UNION NOW!

- \* Formed to benefit all employees.
- \* Has no connection with Local No. 995 C.I.O.-U.A.W. or the Company Management.
- \* Convenient way to save.
- \* Members can borrow \$50.00 on their signature, up to \$500.00 with security.
- \* Low interest rate on loans (1% per month).
- \* Invest your money in the Credit Union.



Call it morale — call it the will to win — call it anything you want — but whatever it is — your attitude will win the war. A nation of people prepared to make every sacrifice to defend their liberties and their homes can't be beaten . . . Men and women in America's war factories are no longer working just for their weekly pay check. They are no longer working just for money to buy the comforts of life. They are working for a far greater reward. They are working to destroy the enemy. To preserve freedom. To bring back our boys. To assure liberty for their children.

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*Your Job is Vital to Victory!*

## Here's What My "E" Pin Means to Me!



E is for Excellence at my job—  
E's for Efficiency too—  
E is for Enterprise, Effort, Endurance—  
E's for the Extra I do!  
E's for Economy—save all I can—  
E's for Enhancing my skill—  
E is Exertion—expending my brawn  
Ensuring our flag will fly still!  
E is for Experience—Emergencies met—  
E's for Exactness as well—  
E's for Equipment I make here that will  
'ELP BLOW THE AXIS TO 'ELL!

By Ken Bayne, Editor  
Link-Belt Productioneer.

### C. A. SNYDER — Continued

AFECO thought it possible to attain. From 1932 until 1935 Clyde and another dust collector engineer worked on various collector ideas. Their studies resulted in the present Dustube design. Since that time Clyde has spent his time on dust collector engineering.

Clyde is a man of many hobbies. He is an expert rifleman, owns and uses a movie camera and two still cameras and has a complete dark room for developing and printing all types of film and does

some of his own enlarging. Those excellent movies of the Army-Navy "E" presentation were photographed by him.

Clyde also loves fine machinery and can repair everything from a wrist watch to a steam roller (don't crowd folks, the line forms on the left). His particular specialty is player pianos.

He is the father of a daughter, age 8 and a son, 2 years. Clyde says the boy is old enough to deserve an electric train, so we can expect dad to start fussing around with locomotives and cabooses any day now — at least until sonny starts asserting his rights and elbows dad out of the way.

### ALBERT BLASKIE — Continued

Sandcutter engineer who passed away in 1941, impressed with Al's ability, persuaded him to come to AFECO.

This move was made in 1936 when our own foundry operations were at a much lower production rate than at present and Al was often coremaker, molder, casting shakeout man and handyman for any other jobs required.

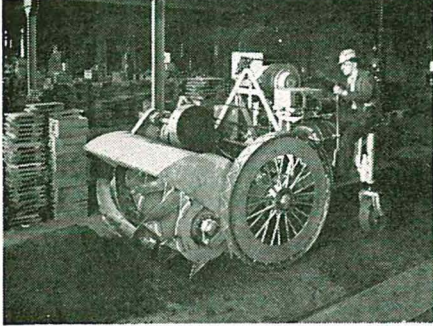
With a new foundry building and modern equipment at his command, Al is well prepared to manage the production of quality aluminum castings and perfect cores for AFECO's aluminum and steel foundries.

### A. H. FREEMAN — Continued

One of his hobbies is photography and his wife Hilda and daughter Nona provide much of the material for his movie camera. Another interest is speed boats. He operates his boat on the Fox river at Cary, Illinois, where he has a home.

## The Oldest AFECO Product Still Cuts Plenty of Capers

### - - - IT'S THE SANDCUTTER



"What do you folks make?"

"Oh, Sandcutters and lots of other things."

"Say, are you trying to kid me? What would anybody want to cut sand for?"

Perhaps you have had someone ask you the same question and have been given the merry ha ha when you gave them a reply. Or perhaps you didn't know exactly how to answer by way of definition.

If your conception of what a Sandcutter is and what it does is not any too clear, perhaps the following will give you some ammunition to use the next time you are confronted with this question.

In order to understand the use of the Sandcutter it will be necessary to explain very briefly a few of the molding operations that take place in a typical foundry. First of all a casting cannot be made without a mold. In other words you must have a form into which to pour metal for the casting operation. And before you can have a mold you must have a pattern — or a replica of the object to be cast.

After the pattern is made it is placed in a flask (a box-like container) and filled with molding sand that has been conditioned with water, and various "bonding" compounds. The sand must be conditioned very carefully so that it will accurately retain its shape when the pattern is withdrawn from the mold. It must also have other qualities that will permit the hot steam and gases liberated by the hot metal to escape into the atmosphere.

After the molder has rammed and squeezed the molding sand about the pattern, the latter is withdrawn. A cavity identical with the pattern is thus left within the mold. When molten metal is poured into this cavity it assumes the exact shape and form of the original pattern; and when the metal has cooled sufficiently to solidify, the surrounding sand is broken away.

At this stage the molding sand is dry and hot, full of gases and steam. In order that it may be reused it must be thoroughly reconditioned. It has to be cooled, steam and gases have to be liberated, and water has to be dispersed uniformly and

with the proper consistency through the heap. That is where the Sandcutter comes into use.

Usually when molding sand is broken away from the casting, it is left in a heap on the floor, as you will see by referring to the illustrations above. By starting at one end of the heap and backing away, the power-driven cutting cylinder of the Sandcutting machine throws the sand into the air and tosses it from side to side across the center. Freed of all steam and gases the sand falls in ridged window formation — loose, soft, fluffy and cool.

After the sand has been cut through several times, the entire heap can be piled beside the molding machine or between molding benches. To do this the operator moves the machine to the rear astride the heap, lowers the cutting cylinder to the floor, runs into the heap a short distance then backs to the rear again. By repeating this forward and reverse action, the whole length of the heap, the sand is swept clear of the floor into a pile.

Before the advent of the Sandcutter, 36 years ago, sand was universally cut by hand shoveling — a back-breaking job. Since that time more than 1100 Sandcutters have been placed in operation, but many shops still employ the old hand method.

War demands for castings have greatly increased casting requirements and this, in turn, has put a severe strain on productivity because of the manpower shortage. The Sandcutter has done much to relieve this situation because it mechanizes a serious time-consuming operation.

For example, the use of a small model "AM" Sandcutter by an Indiana foundry enabled them to release 13 men from laborious sand cutting operations. Sixteen men had previously toiled with shovels to cut 64 floors every night. Now, with one operator for the Sandcutter and only two men for the trimming operation, all sand cutting in that foundry is finished in less than 8 hours.

\* \* \*

### Keep Your Bonds!

War bond sales continue to increase but their effectiveness in the war effort is lessened by the fact that an increasing number of purchasers are not holding their bonds. Total redemptions, of all war savings bonds sold, from May 1941 through December 1943 amounted to \$2,051 million, or 8 per cent of total sales of more than \$25 billion. The monthly redemptions continue to rise and reached a new high of \$207 million in December, or 24 per cent of sales. In the previous month redemptions of Series E, the "people's bond," were \$150 million or 23 per cent of sales and 88 per cent of all redemptions.

## These Suggestions Won Awards

- Gilbert Bair** Change the gauge of the two holes in the angle that bolts to liners from 1-1/8" x 1-1/2" to 1-3/8" x 1-3/4".
- Jack Bowers** Change 27 x 36" Tumblast elevator bearing assembly — the same as No. 1 Tablast.
- Robert Bunch** Purchase ball bearing stock stops for turret lathe using bar stock.
- E. J. Chayie** Leave out 21 angles and use gussets on Cabinet 43D501.
- James Davidson** Cross Index SD drawings under headings such as Dust Collector, Sandcutter, etc.
- Grady Faulkner** Bury the conduit that carries the wire from the switch box to the saw under the cement.
- Mildred Fore** Record telephone toll calls in a ledger.
- Mary Golba** Mark ledger card with a particular symbol when customer returns material for credit.
- Clara Hintz** Stamping machine for shafts.
- Lester Lee** Clean all grease from sprockets and shafts before they are machined.
- Frank R. Land** Make drill template for 48 x 48" Tumblast flanges.
- Lewis Mark** Item 8 and 9 on drawing 40C65 be mitred 45°.
- Otto Morgan** Change location of part numbers on valve arm, part No. 60338 to top of casting.
- George Tharp** Make Wheelabrator control cage seal ring from 7" I. D. tube. 90° bend in wedges for curtain 50132 on 48 x 72" Tumblast.

\* \* \* \*

*Remember the men of your Navy who are carrying the fight to the enemy. Remember them with more ships, planes, guns, and ammunition.*

DON'T BE AN ACCIDENTEE!

NATIONAL SAFETY COUNCIL

## AFECO Tops 4th War Loan Bond Quota

No doubt by the time you read this item you will have heard the good news that AFECO employees purchased more than their quota of extra War Bonds during the Fourth War Loan Drive. On February 14, with two weeks yet remaining during the drive, 85% of the quota was met with a cash total of \$19,065.40 Bonds having been purchased.

These Bonds were IN ADDITION to our regular payroll deduction plan which would indicate that our \$45,000 quota will easily be topped. Although we are happy to have fulfilled our quota, the individual's extra purchases of Bonds have not been up to expectation.

A large amount of the quota was filled by the individuals who regularly purchase Bonds on a cash basis so this total really isn't as good as it appears at first. The majority of us did not buy an "extra" Bond. Those of us who have not bought extra bonds during the Fourth War Loan Drive may still "Back the Attack" at any time with increased Bond buying.



Man: "Yes, I always like to get a bunch of the fellows together for a fishing trip to the lake, but there's always some darn fool who wants to fish."

\* \* \*

Missionary: "So you know something of religion?"

Cannibal: "Oh yes. We got a taste of it when the last missionary was here."

\* \* \*

In the early days of the war, the officer in charge of a British station in the heart of Africa received the following wireless message from his superior officer: "War declared; arrest all enemy aliens in your district." With commendable promptness the superior officer received this reply: "Have arrested seven Germans, three Belgians, two Frenchmen, four Italians, one Dutchman and an American. With whom are we at war?"

\* \* \*

In an east-side war plant employes are forbidden to smoke. So they make a practice of sneaking back to the locker room to loaf a bit and puff a cigaret. Last Thursday, someone wrote with red crayon on the locker-room wall: "Fellows — I've gone to work. I'll be back in 10 min."

\* \* \*

Rumors are that government restrictions may end king-size cigarettes. Maybe this depends more on the ifs, and ands, than the butts.

# Strictly FOR THE GIRLS!



FORECAST! Hair this spring is going to be pretty, neat and netted in color . . . thanks to Lily Dache! Even the March winds won't prevent you from looking as if you'd just stepped out of a band box. These exciting nets come in 5 brilliant colors, as well as 5 natural shades — take only a second to put on, and you're groomed for the day. Whether you wear your hair up, long, or in the new smooth fashion — you will love them.

If you are wearing sport clothes, try a coarse mesh and tie a contrasting band of grosgrain around your head. If you're on a date, the fine mesh in Tiger Lily Pink with a boutonniere of flowers tucked in or a cluster of roses (on hair pins) will add a festive note. There's no end to the ideas you can dream up to add to these colorful nets, and we predict that many a masculine head will turn as you walk by!

## To the Soldiers of Industry

Your bugle call to action is the factory whistle;

Your uniforms consist of overalls, leather aprons, asbestos gloves, welding shields, and rolled-up shirt sleeves;

Your salute is the roar of your machine, the glow from the blast furnace, the sparks from your chisel, the blows of your hammer, or the twist of the wrist by which you complete another operation;

Your badge-of-honor is the smudge of grease on your face; the callouses on your hands.

You do not march down the street with banners waving, but you are sending forth into the battle for freedom a grow-

ing parade of tanks, guns, trucks, planes and ships;

You have no gun on your shoulder, but your shoulder is to the wheel to keep industry rolling at an ever increasing speed;

You fly no plane, but you make production records zoom to new altitudes;

You are launching an all-out fight against delay, inertia, defeatism, friction and waste;

You are doing the "impossible" to make possible the perpetuation of the American Way of Life;

You are working miracles with minutes;

You have taken an oath, so help you God, to quickly put the tools of victory into the outstretched hands of our fighting men.



## Aeroproducts Division

General Motors Corporation

Dayton, Ohio

This certifies that

AMERICAN FOUNDRY EQUIPMENT CO.

as a Sub-Contractor and Supplier, has contributed loyally, efficiently and liberally to the exceptional performance which earned for this company, the

Army-Navy "E" Award for  
High Achievement  
on the Production Front

*H. J. Blanchard*  
GENERAL MANAGER

AUGUST 28th, 1943

# The Life of a Purchase Order



*RUTH FISHBURN receives the requests for material sent by the stock room, engineering department, repair sales or any other source. She takes the card for the particular item from the file, attaches a slip of paper to it on which MARY BRENNEMAN writes the CMP (Controlled Materials Plan) information and other pertinent facts.*

The purchasing department is a vital link in the great manufacturing chain. It is their responsibility to keep the raw materials flowing steadily into the factory, so that our skilled workmen can send the finished machines out on time. It may seem like an easy job — interview a salesman and tell him you will take two tons of steel, deliver it Monday morning, please. Or, pick up a telephone and say “send me 25 motors tonight.” But it isn’t as easy as that. Now, you not only must have the money to buy the items you desire, but must also convince the government you really can’t do without it in order to obtain a priority to purchase it.

Purchasing Agent Harold Books and his assistant Myron Yoder, really have their headaches with shortages, substitutes, governmental reports and deliveries.

The pictures trace the course of a purchase order from the time it is received in the department until the final invoice is paid. Of course, we haven’t shown every step — just some of the important steps along the way.



*The requests, cards and information are passed along to MYRON YODER who checks the information. If there is a question in his mind he either writes a letter or sends an inquiry to suppliers of the particular item requested. If all is in order he gives the information to MARGARET KLEIN or VIRGINIA MOORE to write up a purchase order.*



*After an order is received, freight bills, invoices and receiving slips are assembled. RUTH FISHBURN posts the CMP receipts and freight bills and files freight bill claims. MARY BRENNEMAN posts CMP reports and reports on material received. “TWEET” HARRIS posts the invoices, checking the prices on the invoice against the quoted price, sees if the amount ordered is the same as the quantity received. She must write a large number of letters to straighten out discrepancies.*



*JAMES BOSTWICK handles expediting — tries to obtain the best possible delivery and find lost shipments. His telephone is constantly in use.*



*VIRGINIA MOORE writes purchase orders and also handles JIM BOSTWICK's correspondence.*

*HAROLD BOOKS, purchasing agent at AFECO for the past 9 years, supervises the work of the entire department — anticipates needed materials (he has steel for use in October of this year on order now) takes a flying trip to Washington to keep supplies flowing into the plant so it will continue to operate, or hurries to Detroit, Cleveland, Chicago or Podunk to obtain delivery of needed material. DOROTHY LOTT is his secretary and has a big job helping him in his many and varied duties.*



**JACK W. THIEM**, *Cherry Point, N. C.*

"Thanks a lot for the package. The book will be a change from solitaire and poker. Who knows, I may get a chance to use the handbag someday, even a Marine gets a leave sometime."

★ ★ ★

**BERNARD BYRD**, *Gordon General Hospital Chickaska, Oklahoma*

"This Christmas eve found me in the hospital with a very low morale. Now mail is one of the best remedies for that, but I had no mail. I had given up hope of having a Merry Christmas until in comes the mail man with a box for me from the Servicemen's Gift Committee. Well, from that moment on, I was one of the happiest men in the ward. So now, I want to express my appreciation of the gift. With people on the home front, like those at American, we can't help but win the war. So until victory we'll keep our nose to the grindstone and do our best."

★ ★ ★

**DELBERT DARE, JR.** graduated from the Seymour Johnson, North Carolina Air Field ground crew school, November 16. Because he led his class in grades all through school, Delbert was selected, along with a small group of graduate mechanics to take a post graduate course of 28 days at the Douglas Aircraft plant in Long Beach, Calif., on a new attack bomber Douglas is producing.

When he completes this additional schooling, he will be promoted to crew chief and assigned to one of the fields in this country for further training and experience before being assigned to active duty.

★ ★ ★

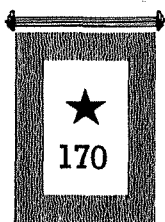
**PFC. WALTER GISZCZON** at *Camp Gordon* tells us:

"For weeks I have been wanting to write and tell you that I had received your gift package. Since the 86th was ready for overseas movement I couldn't very well tell you my address or anything so I decided the best thing to do was to wait. The 86th has left so I guess it's O. K. now.

"I'm with the 55th Engineers now. I was sent here so that I could try for reinstatement as an Aviation Cadet. If luck is with me I'll be chasing birds — or something.

"For the many things I have received I'd like to say 'thanks a million'. It's nice to know what's going on around Mishawaka and what the people are doing. The 'Parade' seems to give me just what goes on around there.

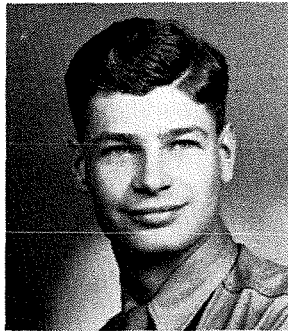
"As I write this letter I'm out in the Georgia 'Bush' sunning myself. I'll bet that's something you can't do now—or is it warm yet up north? Anyway, they can have this warm weather here, I'll take the north any day."



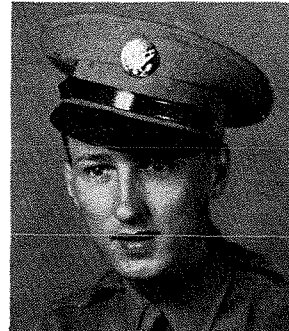
## Additions to the Honor Roll

ALBERT DEWULF

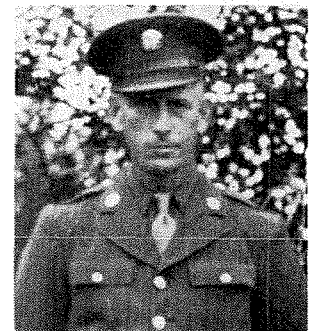
# ★ American Men in Uniform ★



Pfc. Howard L. Seeley



Cpl. William R. Griswold



Pvt. Mack H. Carden

**JAMES FELLER**, *S 2/C*

"We have been getting advance training up until this week and now we are on work details. The training included Judo, machine gun, machete and all kinds of fighting. The day starts at 5:30 A. M. and ends at 5:30 P. M. After that all we have to do is get supper, wash and mend clothes, write letters and study on special assignments. They have me blasting out the inside of a mountain to make an ammunition depot."

★ ★ ★

**PFC. E. S. HIXENBAUGH** in *Italy*

"I'm now in Italy, and in my opinion, it's the best place I have been stationed since coming overseas. We have a hot shower at our disposal, and it's almost heaven, after shaving in our helmets for over six months."

★ ★ ★

**PFC. ROY MITCHELL**, *Pyote, Texas*

"After graduating from an airplane mechanics school at Amarillo Field, Texas, I am now stationed here at Pyote Army Air Base. It is part of my job to do my small bit toward keeping the 'big fellows' in the air."

★ ★ ★

**ELDIEN G. POWELL**, *West Palm Beach, Florida*

"I want to thank you and the company for the much needed Christmas check. I had just returned from Cuba and was completely broke when the check arrived here. It made it possible for me to spend a very enjoyable Christmas with relatives rather near.

"The AFECO has sure been fine to its servicemen. In fact, I am the only one in my squadron to receive gifts and money from his employers, and so often, too.

"I am indeed, proud to be a part of such a Company and hope that I may always be.

"In Cuba as a musician, I had a part in a great Army show entertaining servicemen stationed there, also President Batista, U. S. Ambassador and many other dignitaries attended the show. We received a

special citation on our service record for the work."

★ ★ ★

**CARL MARTIN** in *the Aleutian Islands*

"I went to school for 20 weeks at Camp Wallace, Texas, learning communications, how to take a telephone and switchboard apart and put it back. I'm now somewhere in the Aleutian Islands.

"There are only 12 nurses and you never see them unless you have to go to the hospital and I sure don't want to see them that bad. There isn't any beer here and if you're lucky you can get a quart of whiskey for \$75 or \$80."

★ ★ ★

**PFC. WILLIAM H. DOTY**

"I know I owe you a letter but it sure is hard to get around to writing but since you sent me the Christmas check I just had to write, but since I sat down to write I can't think of anything to write as you most likely know through dad, I'm in England and after this war is over I don't ever want to hear of this place again. Some people might care for it, but not me. I'm ready to come back to work but I still have to drive my tank, or somebody might scratch up the paint job for me and I wouldn't like that.

"Well, tell the old gang that I wrote and sure wish them all good luck and tell 'Boss Whittaker' that I sure thank him and his wife for the Christmas card.

"Well, I believe that this winds it up for this time so until next time, so long, good luck and keep 'em rolling."

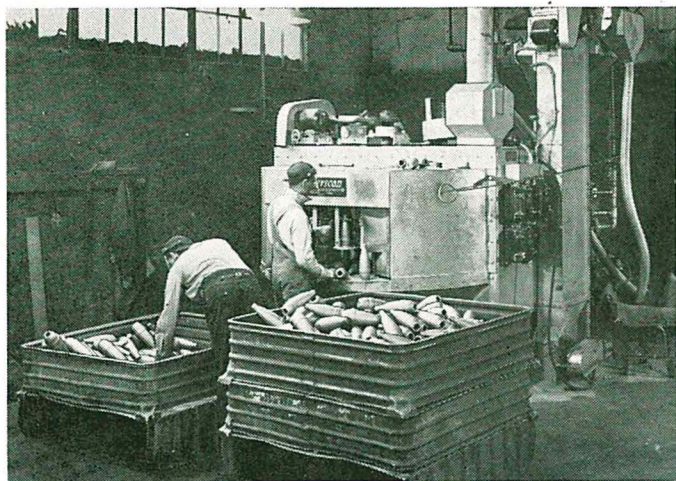
★ ★ ★

**DALE N. MARTIN**, *V 12, University of Washington*

"Again, as always, you have been the never failing Santa for we who are in the service.

"I received the gift package and the Christmas gift check just before my leave for the Holidays started. With the leave ahead of me you can see the grip and check were timely gifts. They were appreciated highly and my thanks is to you."

# Cleaning Shells Another AFECO Contribution to Victory



Shells — shells — and more shells for the attack is the plea today — and one of the nation's most pressing needs. Of all the problems involved in shell production, there was one that stood out like a sore thumb — the cleaning operation. This process had generally been slow, often inefficient, and always relatively expensive. The situation obviously required equipment of entirely new design.

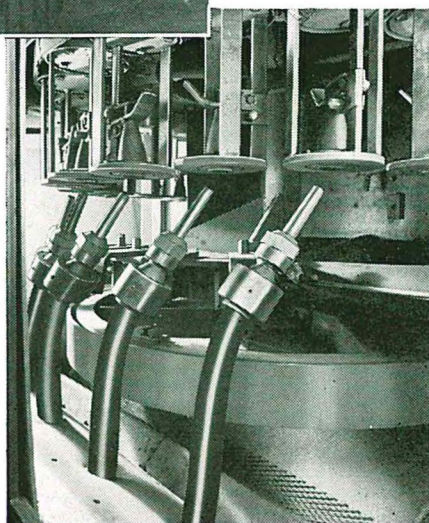
Long before the need for such equipment became imminent, engineers at AFECO began studying the subject from every angle. Having designed machines for this work during World War I, they were well acquainted with the deficiencies inherent in older types of equipment.

The real problem was to correlate this experience with principles of blast cleaning design which have been developed since 1918. When the big demand started for equipment of this kind, American was ready with a perfected machine — an entirely new type of machine whose high-production performance we could back up with a definite production guarantee.

The machine blasts the interior of shells by air pressure, using air blast nozzles, because of the small opening in the end of the shell. However, the equipment is designed so that an airless Wheelabrator unit can be added as auxiliary equipment for cleaning the exterior of the shell. Many customers have found it desirable to do this, because the removal of scale from the shell greatly extends the life of expensive cutting tools and improves machinability.

The picture at the right shows an operator loading an uncleaned 75 mm. shell body into the holder for passage through the machine. The picture at left shows the interior of the shell cleaning machine. The air blast nozzles are aimed at the shells, which are held rigid in special holders.

Hundreds of thousands of shells of all sizes are being cleaned daily with AFECO shell machines.



The high type of performance made possible by this equipment is indicated in the following comments from customers:

**FRANKFORT ARSENAL:** "The Wheelabrator increased production 50% on 77 mm. shells."

**OLIVER FARM EQUIPMENT CO.:** "The use of the Wheelabrator in the removal of scale from the shell forgings is essential to eliminate excessive tool breakage in later machining operations. Breakage, if the Wheelabrator is not used, far exceeds normal tool breakage as experienced with the Wheelabrator."

**BETHLEHEM STEEL CO.:** "Wheelabrators are the most efficient method of cleaning forgings, shells, etc., and if this method is not used, it would either be necessary to ship forgings, shells, bars, billets, etc., uncleaned, or pickle and machine-straighten before shipping."

**SAGINAW STEERING GEAR DIV.:** "Our Wheelabrator machines are essential to our war production. If we could not operate them we would not be able to produce products now processed through them."

## Serve "Specials" on Traditional American Days

By the  
HOMEMAKING SPECIALISTS  
of the  
General Electric Consumers Institute

When what you do doesn't affect rationing, and when the war effort isn't hampered, it's a fine thing to observe as many traditional American days as possible. For by doing so, the ideals for which we are fighting are kept alive and present in the minds of your family.

Take Washington's Birthday as an example. To observe the day as a holiday would hamper the war effort for it would cut down on war production. But, if you canned cherries last summer there's every reason to make a special morale-lifting event out of the dinner we serve on February 22.

Your dinner that day can include the traditional cherry pie or any one of the cherry recipes listed below.

### CHERRY CREAM PIE

**Pie Shell:**  
Melt..... ¼ cup margarine  
Add..... ¼ cup sugar  
Roll very fine..... 4 cups corn flakes  
Mix above ingredients. Spread mixture around sides and bottom of pie plate and pat down firmly. Chill in refrigerator.

**Pie Filling:**  
Heat in saucepan..... 2 cups canned sour cherries  
½ cup sugar  
¾ cup cherry juice  
Add..... ¼ tsp. salt  
1 tbsp. lemon juice  
Soak..... 1 tbsp. gelatine  
in..... ¼ cup cold water  
Add gelatine to cherry mixture. Chill in refrigerator until mixture begins to thicken.  
Chill..... ½ cup evaporated milk in refrigerator overnight, then whip until thick.  
Fold..... whipped milk into cherry mixture  
Pour into crumb pie shell and place in refrigerator until served.

### SOUR CHERRY PUDDING

Temp.: 375° Time: 1 hr.; 8" square cake pan  
Sift together..... 2 cups flour  
1 cup sugar  
2 tsp. baking powder  
½ tsp. salt  
Drain and add..... 2 cups cherries  
Add..... 1 cup milk  
3 tbsp. melted margarine  
Mix well and pour into greased cake pan. Bake. Serve with cherry sauce.

### BEEF TONGUE WITH SOUR CHERRIES

Place in Thrift  
Cooker..... 1 fresh beef tongue  
Add..... 2 cups water  
1 stick cinnamon  
2 bay leaves  
1 stalk celery  
1 tsp. salt  
10 cloves  
1 onion  
1 carrot  
juice of 1 lemon  
Steam for 3 to 4 hours until tender.  
Mix..... 1 can sour cherries  
¼ lb. blanched almonds  
juice of 2 lemons  
rind of 1 lemon  
Slice tongue and place a layer of tongue alternating with a layer of cherry mixture in a saucepan until pan is filled. Cook slowly for 20 to 30 minutes. Serve.

★ ★ ★

*Tomorrow's victories at sea begin today on the production lines of American industry. When you beat your schedule, you help your Navy beat the enemy. Full Speed Ahead!*

**SHIPPING***Grace Schlarb*

Irving Fries started on his 35th year in this location, he came here in 1910, January 24.

\* \* \*

Shorty Kaufman will soon celebrate his birthday. This department extends their good wishes and hopes he will not forget the birthday cake.

\* \* \*

New employees — Robert Kleiser and Ralph Johnson.

\* \* \* \*

**MACHINE SHOP***Irene Grams*

Mr. and Mrs. Carl Peterson are the proud parents of a son named Dale. Pete says he can't wait until Dale is home and starts talking back at him. We think it will be crying rather than sparkling conversation.

\* \* \*

Frank Gehl has had new draft curtains put up to keep the draft off Sophia Burkhardt and Clara Hintz, his inspection ladies. Clara has been in bed for several days and Frank thought he'd better do something or the rest of his department would be sick too. The curtains are a real work of art.

\* \* \* \*

**TUMBLAST ASSEMBLY** *Ray Hutchins*

Tumblast employees are fortunate in having two tax "experts" to assist them with their returns. Anyone having any difficulty consult Frank Rendel or Frank Miles.

\* \* \*

Vern Valentine has the unusual hobby of collecting income tax explanation books. Anyone having any new ones, please see Vern. Of course, if there is a charge, just put it on the cuff, bud.

\* \* \*

Evidence of post-war planning can be seen by the purchase of a "mountain retreat" by the Ralph Whitaker family. We hear he plans an early retirement from the plant to develop his property. It is expected he will purchase mountain goats to further enhance the natural beauty of the property.

\* \* \* \*

**VOICE OF ENGINEERING***Agnes Ernst, Chuck Bultinck*

Did you hear about the time Joe Arata forgot his lunch and at noon made a dash for the nearest one and started eating it? It happened to be Phil Johnson's. Poor Joe! No wonder that lunch was so good.

\* \* \*

Doris Woodroff, who formerly worked in the blue print room, is now working

on the parts books. Her husband is in the Navy, and she has a little year old boy, Jimmy Lee, at home.

\* \* \*

Betty Musser, who recently worked at the Capitol Raincoat Co. is replacing Doris in the blue print room.

\* \* \*

Ernie Williams paid Engineering a short visit in January. We hear it is going to be wedding bells this spring. Good luck, Ernie!

\* \* \*

Agnes Ernst and Chuck Bultinck wish to express their thanks to Roy Fishburn for the big red apple which we enjoyed so much. Maybe he won't leave his apples out in plain sight again.

\* \* \*

Speaking of wedding bells — Mr. and Mrs. C. E. Unger attended the wedding of their son Bill, February 12 in Wilmington, Delaware. Congratulations to Capt. and Mrs. Unger.

\* \* \*

We wonder what the convincing story Anna Marie Biesbroeck told Mr. Hirsch was. Anyway she got his Hershey bar — and as scarce as they are now, it must have been a good story.

\* \* \* \*

**DESK DATA***Marjorie Frazee*

How he did it no one knows, but Ray Steele sliced the edge of his suit coat while trimming some cards on the paper cutter. Why the coat was on the cutting surface is still a mystery.

\* \* \*

Conversation overhead one recent noon-hour.

Mary Brioli: "— so I bought 5 and now I have an extra one."

Rachael Steele: "If you have an extra one I'll take it. Oh . . . what is it?"

Mary: "Cream shampoo."

Rachael: "How much does it cost?"

Mary: "\$2.00, it's good too."

Rachael: "Oh . . ."

\* \* \*

That sparkling diamond decorating Virginia Sellon's hand is from Maynard Russell. Pfc. Russell is stationed at Camp Polk.

\* \* \*

Several of the girls in the office enjoyed an excellent spaghetti dinner one evening recently as the guests of Mary Golba and Margie Frisz. The hostesses were celebrating winning an award for a suggestion they submitted. Pat Greene insisted she was going to have two plates of food — but after consuming one, decided that was sufficient.

Ellen Heaton will play the part of Jane in the Mishawaka senior class play "Pride and Prejudice."

\* \* \*

Zola Brenneman has set March 15 for her marriage to Ray L. Lechlitner.

\* \* \*

**STOCK ROOM***C. Everett Snyder, Robert Gibbens*

Hart Baugher doesn't think little "Greg" has been a paying proposition thus far. Keep your chin up, Hart, remember you were about that size once!

\* \* \*

A \$25.00 War Bond was purchased January 18 by Bruce Neely, son of James W. Neely. Bruce is a brother to our own T/Sgt. Rex Neely, now a prisoner of war.

Although Bruce is not old enough to work in a war plant, the interesting angle to this is the bond was purchased with proceeds from the sale of furs he has trapped this winter.

James W. Neely, the father of these two boys, is having 25% of his earnings deducted each week for bonds. Here is a family that's really "Backing the Attack."

\* \* \*

It's another boy, born January 26, at the Flower's. Joel Eugene, weighed in at 8½ lbs. and is the big smile on Posey's face these days.

\* \* \*

The stockroom's contribution to Uncle Sam's Seabees, Bob Powell paid us a short visit recently. He just came in to inform us that no one had died from his cooking yet.

\* \* \*

The fellows in the stockroom are wondering how Tom Hameline could bowl three games in the city tournament and only score 386.

\* \* \* \*

**HEATER DEPARTMENT***Agnes Ernst, Margaret Agler*

Nina McFarland is our new "Heater Packing Mama." Gertie Veale left us to go to the state of Washington.

\* \* \*

Ivan Nelson, Foreman Assembly Dept., is learning the "ways of women" the hard way. As he approached one of the workbenches last week, one of the fair sex was pounding on the bench with a hammer. She asked him to lay his finger down and let her hit it. Ivan said OK. Now he is nursing a blue spot under his thumb nail. (He should know by now that a woman means what she says.)

\* \* \*

Mr. Bernhardt our all around handy man has been seen going around the plant with a paint brush in one hand and keys to the various gates in the other. Reason? Sort of an early Spring cleaning. When Spring comes we will be ready for it.

\* \* \*

There's a charming new face in the office, Lillian Ernst. A younger sister of Agnes and Virginia and Don and Ed.

\* \* \*

Bill Scheibelhut came in to see us a week or so ago. The air corps seems to agree with him. He looked wonderful in khaki.