



**Westinghouse**

*Magazine*

FEBRUARY, 1944

**SPARK PLUG FOR WAR POWER**

# Westinghouse Magazine

PUBLISHED EACH MONTH AT PITTSBURGH, PENNSYLVANIA, BY EMPLOYES OF THE WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY & SUBSIDIARY COMPANIES

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Volume 16	February, 1944	Number 2
Westinghouse Newsfront	1	Susie Cues: Fumbling
Thunderbolts in the Making	2	Furloughs 12
Story of Radio Broadcasting	5	Within the Family 13
Life Cycle of a Radio Wave	6	It's A Fact 17
Invasion in Maryland	7	Retirements 22
Around and About	8	Grincidentals 22
Stories in Pictures	9	Keep Posted Digest 23
People of the Month	11	For the Record 24
		Back cover

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## We Salute This Month . . .



O. P. ADAMS, of Nuttall, may not be a man whose name will become immortal with this generation, but it's a cinch that his initials will. They're O.P.A. This coincidence of initials has been a particularly hard blow to Mr. Adams, because for years he has used OP as a first name. OP went to work for the R. D. Nuttall Company back in 1924, and he remained right with the organization when Westinghouse took it over. Last month he received a 20-year button, and he figures that by now he has served his apprenticeship. All of his years have been spent in Gearing Sales, and he was made Negotiation Section Head in 1940. OP got his formal education the hard way, going to school at night to earn his degree at Drexel Institute. He is married and has two sons. Though no hobbyist, he plays a good game of duffer golf.

NEXT MONTH—Anne Blackmar

ARTICLES AND PHOTOGRAPHS SHOULD BE SUBMITTED TO THE MAGAZINE OFFICE BY THE FIFTEENTH OF THE MONTH FOR INCLUSION IN THE NEXT MONTH'S ISSUE

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**THE COVER**—Called a condenser bushing, this 14-foot spark plug is part of a giant automatic switch that will guard the flow of electric power into a new war plant in the Pacific Northwest. Joseph Simms, East Pittsburgh, is preparing the bushing for test.

The bushing conducts electricity into the tank below, where a disconnecting switch using 5,000 gallons of oil drowns out the blue-hot electric arc created when a short circuit occurs. The six-foot pile of porcelain saucers in the upper half of the bushing prevents electricity from flashing over between the tank and the transmission line.

**HERE'S THE VERY LATEST** in our longest-and-shortest-names-in-Westinghouse competition.

This time East Springfield is doing the shouting; and as a matter of fact they want to pick up all the marbles. They offer a man with a 15-letter name, J. Anagnostopoulos (a production clerk who prefers to sign his initials), and also a two-letter man, an electrician named Abraham Os.

While waiting to hear from more contenders, we're thinking of persuading our three 15-letter men to set up a business together after the war. Hundreds of people would call every day to hear their operator say, "Lautenschlaeger, Schwalens-tocker and Anagnostopoulos."

**SPEAKING OF NAMES**, we thought we had uncovered a honey of an item the other day, one we figured would make the *New Yorker* or the *Time* Miscellany Department.

We got a routine card from the postmaster advising us of a change in address for one of our employes in the Army, a gentleman whose name—so help us—was Howard A. Goldbrick. It seemed too good to be true, and so we checked. The fellow's name actually is Goldrick. It spoiled our whole day.







# WESTINGHOUSE NEWSFRONT

## Double "E" Award

For excellence in war production, both the Wiring Device Division and the Plastics Division of the Bryant Electric Company, Westinghouse subsidiary in Bridgeport, Connecticut, have been awarded the Army-Navy "E."

Photographs of the double award ceremony, first in the Company, will appear in the March issue.

## The Biggest Year

All previous Westinghouse production records were topped in 1943, it was disclosed this month by Chairman A. W. Robertson.

Net sales billed in 1943 were 47 per cent ahead of 1942 and amounted to \$714,305,303, "after voluntary price reductions in line with our renegotiation agreement in 1942."

To meet the 1943 Federal tax bill, the Company set aside \$82,008,429, or 52 per cent more than its 1942 Federal tax payments.

Net income in 1943 was slightly more than three per cent of the net sales billed for the year, being \$22,355,300 compared with \$17,366,841 in 1942.

Mr. Robertson reported that "the Company paid four dividends of \$1 each, amounting to \$12,822,561, leaving less than \$10,000,000 of our net income to help meet the many contingencies that will face it after the war boom has passed.

"Although Westinghouse is one of the fortunate companies which does not face as major a reconversion problem as some others, its problems in returning to civilian production will be considerable as it has necessarily expanded plant capacity substantially in order to increase its wartime production. As long as the peak of the war is

still before us, we do not anticipate any slackening of our war work."

Although during the past year some \$320,000,000 in war orders were canceled, due to changing conditions in the conduct of the war, a total of \$958,967,057 in new orders was entered on the Company's books in 1943. At the end of the year the backlog of unfilled orders amounted to \$885,708,065.

"If this backlog of work were evenly distributed throughout all the Westinghouse plants," the Chairman explained, "it would amount to a little more than a year's work at the present rate of production."

## \$23,505,000 Bond Buy

Westinghouse and its subsidiaries have bought \$23,505,000 worth of seven-eighth per cent United States Certificates of Indebtedness in connection with the current Fourth War Loan campaign, Treasurer L. H. Lund announced early this month.

This brings the total Company and subsidiary purchases of government securities during the four War Loan drives to \$80,654,000.

The \$23,505,000 purchase was allocated to the credit of War Finance Committees in every county where Westinghouse has plants, district offices, radio stations and Company-owned distributors.

## Fortunate Forty

Forty 'teen-age scientists—12 of them girls—have been chosen from among 15,000 entrants in the third annual nation-wide Science Talent Search to compete in Washington early next month for \$11,000 in Westinghouse Science Scholarships. The 40 finalists represent 15 states and the District of Columbia.

## Place in the Sun

Sunbury Works, one of the Company's newer plants, has definitely found a place in the Westinghouse sun:

▲It was the first plant to win the Auxiliary Military Police Guidon, and the only one to earn the "E" for achieving a rating of "Excellent" in plant protection.

▲It had the second-best accident prevention record for 1943. (The Printing Division, continuing its five-year perfect record, remained in first place.) Sunbury employes worked more than 2,500,000 man-hours with a loss of only 47 days because of accidents.

▲Its Fourth War Loan Drive brought Sunbury's participation in payroll deductions for war bonds to within a whisker of 100 per cent, guaranteeing it a place at the top of the Company list.

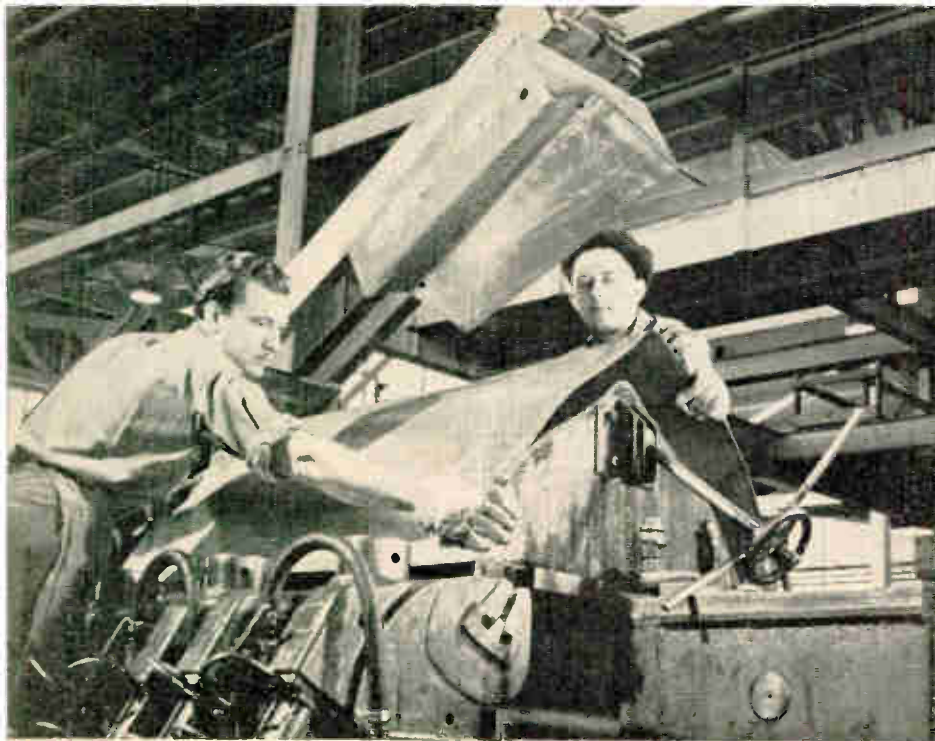
## More Security Awards

For "maintaining a superior standard of security," three more Westinghouse plants—Nuttall, Cleveland and Baltimore—have been granted the National Security Awards.

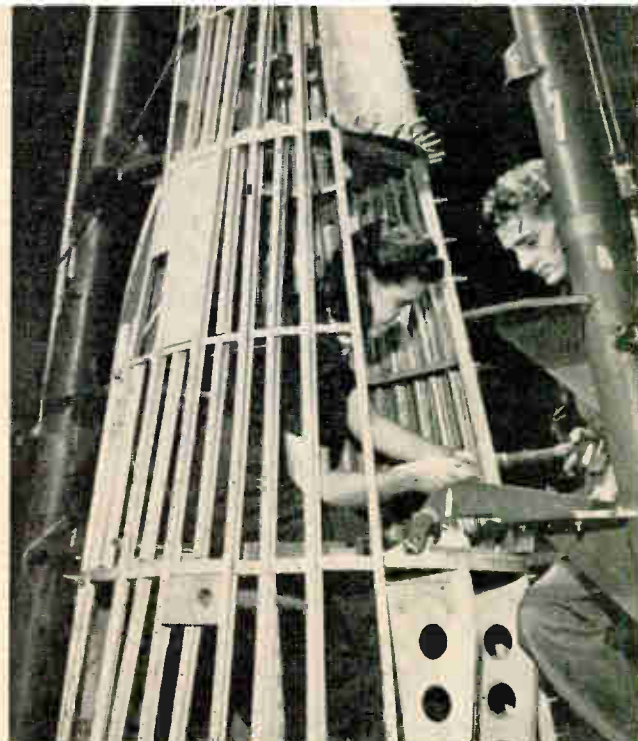
## Insurance Plan Change

Effective March 1, group life insurance protection will become effective on the first day a new employe begins work instead of at the end of a six-month waiting period. On March 1 insurance will also go into effect for all employes who have come with Westinghouse during the past six months, or since September 1, 1943. Persons in this group who did not apply for contributory insurance may do so now by completing an application card before March 1.





Paul Burger and Harold Brokaw remove an aluminum sheet that has been shaped by an air-operated ram into the crown skin for the tail cone of a P-47. The heavy clamp above the sheet of aluminum drops down like a jaw to hold the sheet firmly in place while it is being shaped.



Nineteen-year-old Mazell Shepherd rivets a crown skin to the tepee-shaped framework of a tail cone. Part Cherokee Indian, she says she feels right at home on this job.

# Thunderbolts in the Making

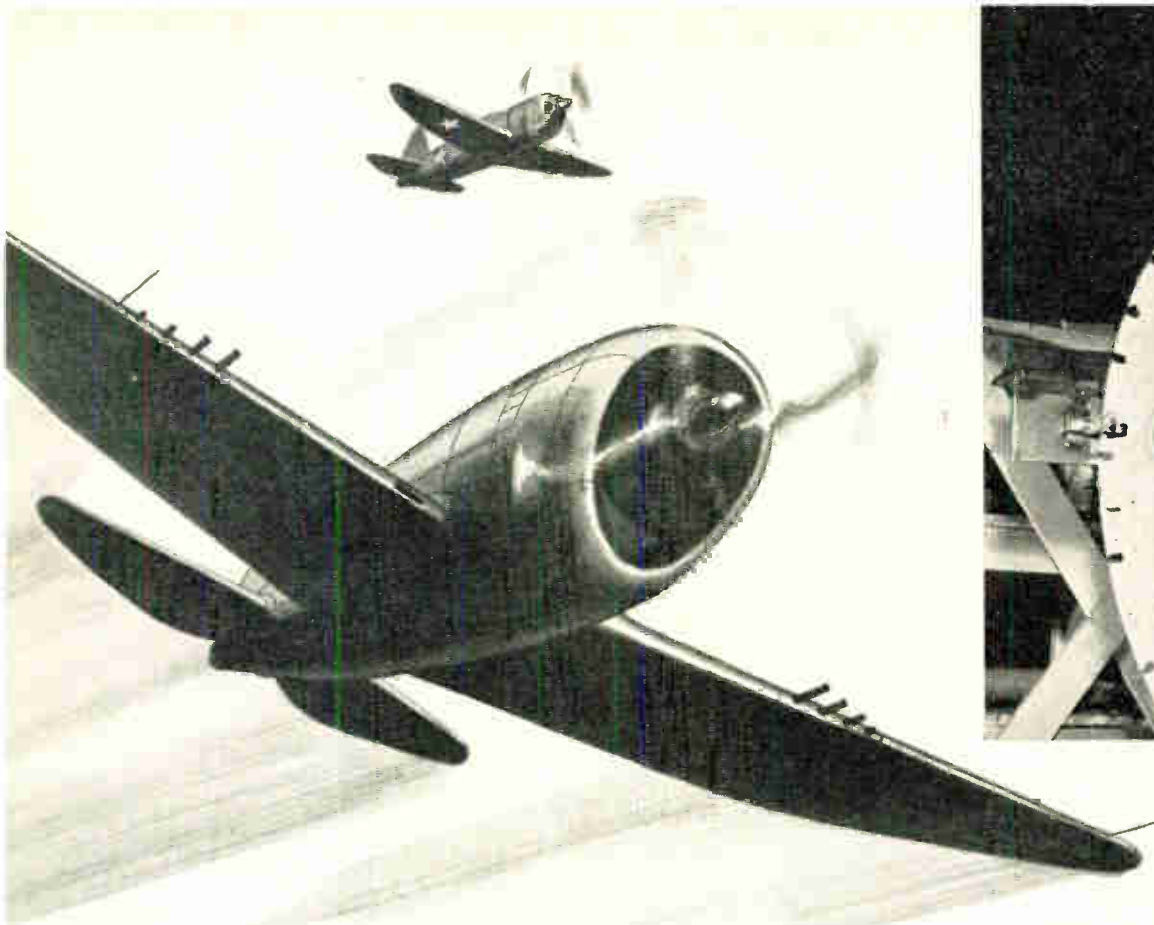


On hand to speak at a war bond rally, Lieutenant R. N. Sloss, a bombardier who has been on 52 flying missions, made it a point to inspect the cones. With him is Works Manager C. L. VanDerau.



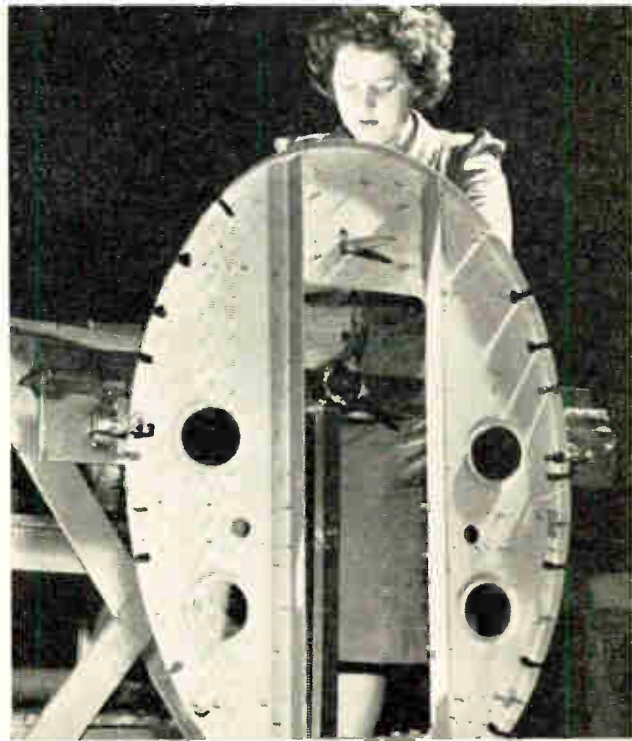
Also visiting the Mansfield Plant for the war bond rally, Actress Maria Montez peeked inside one of the cones which sprout like mushrooms in this department.





**IN THE SAME PLACE** where only two years ago gleaming white Westinghouse ranges moved with precision down a long assembly line, crews of Mansfield Works men and women

are putting together entirely different types of products—products whose only relationship to cooking is that they're helping to cook the enemy's goose.



⚡ Behind the cone bulkhead, Marilyn Hoffman is filing smooth the edges of an opening for control cables.

The new products are tail cones, elevators and ailerons for Thunderbolt fighter planes, the renowned P-47s which have written lots of sky-fighting history in this war.



⚡ To help toughen their aluminum surface, warplane nose ribs get a bath in water at a 50-degree temperature. Gordon McElroy is shown fishing up a basket of the ribs, which will go into elevators for a Thunderbolt.



⚡ Standing by the bulkhead of a cone, Millie Moore does the necessary drilling before riveting the aluminum skin to the framework.





Scenes from the Westinghouse movie "On the Air," recreating the birth of radio broadcasting, appear in this photomontage centered around the garage in which Frank Conrad built his experimental transmitter. From left, starting at the top, are shown: Dr. Conrad's

transmitting equipment; Dr. Conrad and assistants in his laboratory; phonograph music being sent over the air; an early radio fan with a primitive crystal set; department store salesmen trying one of the first retail sets; a home audience enjoying their first loud speaker.





# Story of Radio Broadcasting



**THE ROMANCE** of radio broadcasting—from its beginning in the Wilkensburg garage where the late Dr. Frank Conrad played phonograph records in front of a converted-telephone transmitter—is told in five-star fashion in the new motion picture, "On the Air," produced by Paramount Studios for Westinghouse Radio Stations, Inc.

The film will be shown throughout the Company, under a schedule arranged by the Westinghouse Motion Picture Bureau at Pittsburgh.

With a cast of more than 100 persons, and featuring Bob White, KDKA Program Director, in the narrator's role, the 30-minute movie records the swift rise of the radio industry from the days of wireless telephony to a billion-dollar enterprise reaching into virtually every home in the nation.

For good measure, "On the Air" goes behind the scenes in a modern broadcasting studio to tell how a radio show is whipped together, rehearsed and put on the air; how sound effects are created for broadcasting; how voices and music get from the broadcasting studio to the radio receiver in your home (see next page); how the nation's 900 stations can be on the air at the same time without interfering with one another, and how broadcasts from various stations are artfully beamed to cover only clearly defined areas.

Highlights of the historical portion of the film (see montage on opposite page) show Dr. Conrad working in his garage laboratory (which was faithfully recreated, even down to the soap boxes that formed the base for some of his equipment) . . .

The clerk in a Pittsburgh department store listening in and getting an idea that if more people knew about the Wilkensburg scientist's putting music on the air it would boost the store's sales of crystal-set receivers . . .

H. P. Davis, then Vice President at Westinghouse, catching from the resulting store advertisement a vision that radio was an instrument of public rather than private communication, and convincing the Company heads that his hunch was worth a trial . . .

The resultant birth of Station KDKA, and radio's overnight

## NEW RADIO PROGRAM

In addition to the Westinghouse Sunday afternoon program (2:30, Red Network), the Company will inaugurate on March 13 a brand new radio program.

The new show, basically a musical program, will be on the air from 10:15 to 10:30 every Monday, Wednesday and Friday evening, over the 159 stations of the Blue Network.

Make a date now with your easy chair and radio for the premiere March 13.

growth from a hobby to a national institution.

"On the Air" has a number of pleasantly nostalgic scenes showing the first tube-type receivers which replaced the home-made crystal sets, and there's even one sequence showing how a set of earphones was placed in mother's mixing bowl to amplify for a roomful of guests the sounds that came from the air.

The wonders of modern radio broadcasting are shown in a behind-the-scenes trip through Station KDKA's Allison Park transmitting station, the KYW news room as an important news flash goes on the air, and through other studios where orchestras play and actors speak.

**AT ITS CONCLUSION**, "On the Air" looks to the future, a future in which new chapters will be written in radio's history—in radiophoto transmission, in frequency-modulation (FM) broadcasting, in television and in international short-wave broadcasting.

"As each radio day brings information, entertainment and education to your home," concludes the film's narrator, "scientists continue to reach into the future . . . planning and developing new services that will make your street, your home, the center of the universe . . . so that the whole wide world of pictures and colors and sounds will be as close to you as your radio."



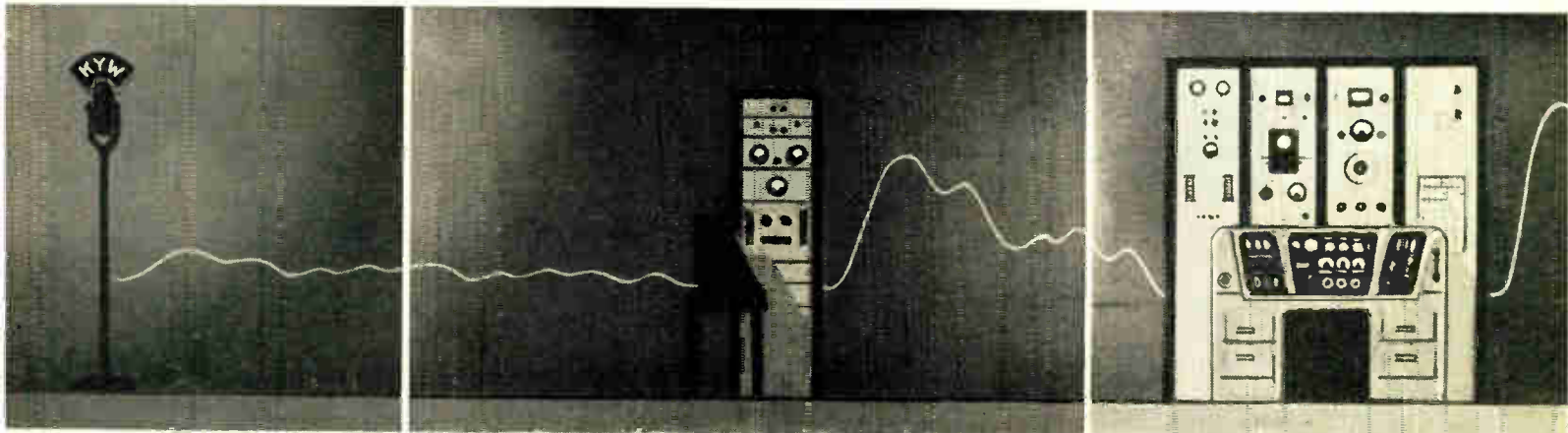
A far cry from the two-story garage where broadcasting began is KDKA's million-dollar transmitting station at Allison Park, a suburb of Pittsburgh. At the extreme right is the 60-ton, 718-foot steel transmitting tower.



KDKA's Chief Engineer, T. C. Kenney, records data from dials at the transmitter station. Behind these metal walls are wires, vacuum tubes, electrical condensers, coils, switches, relays and much other complex apparatus representing years of research.

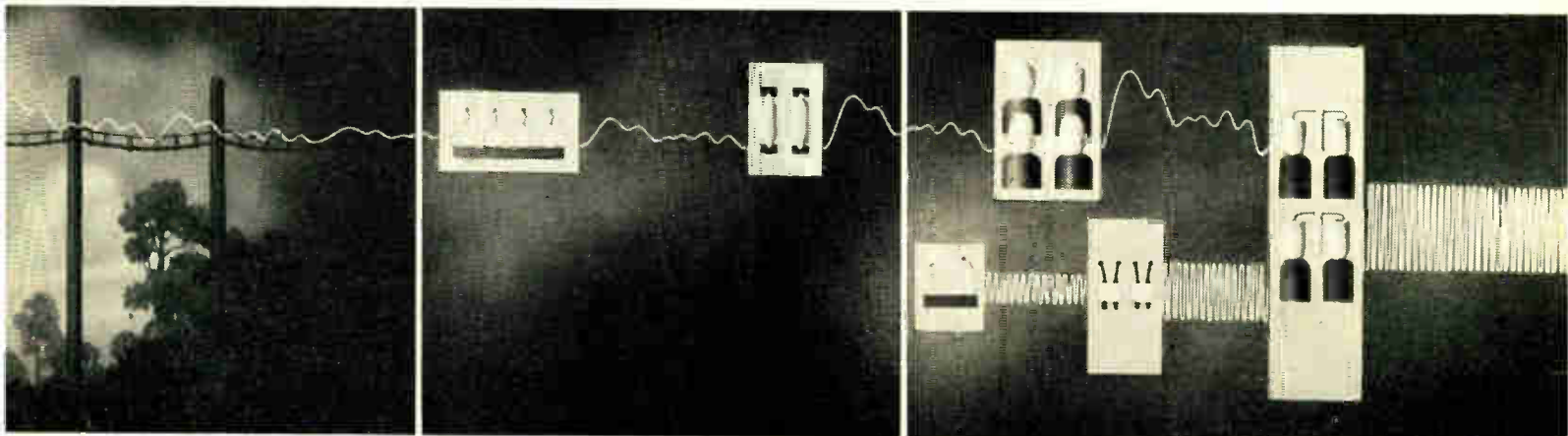


# LIFE CYCLE OF A RADIO WAVE



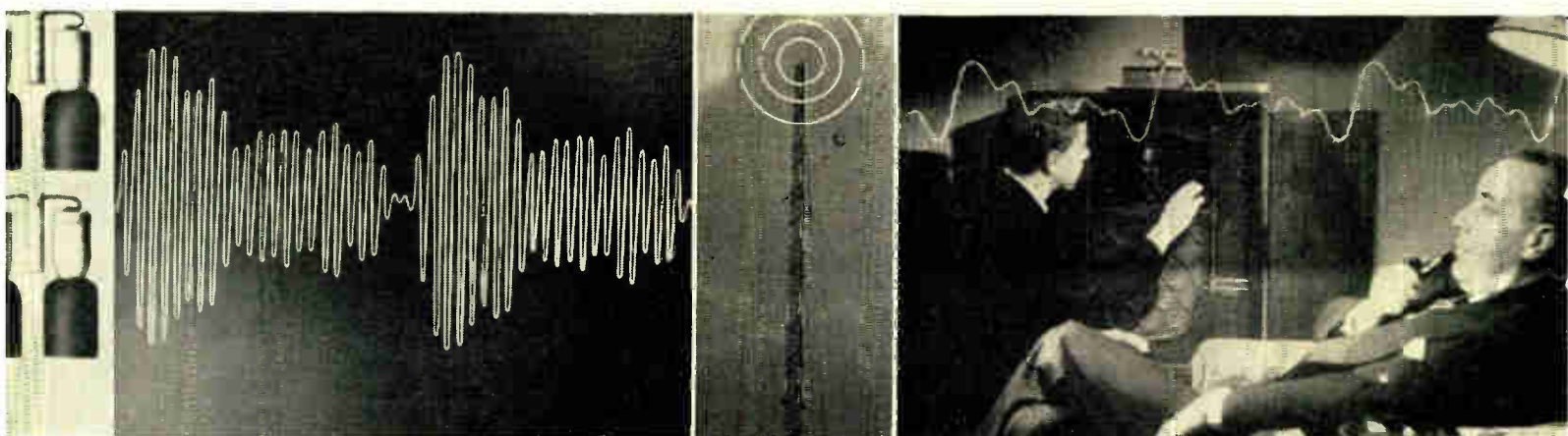
*This picture story, taken from the film "On the Air," shows how a radio program travels from the broadcasting studio to your home. Sound waves—vibrations of air caused by a voice or instrument—strike the microphone and are converted into*

*electrical energy. This energy, called the audio wave, is amplified and strengthened first in the studio control room (center). It then moves on to the master control room in the broadcasting studio (right), where it is again amplified.*



*The audio wave next travels over special wires to the transmitting station, which is usually placed outside the city for the best transmitting conditions. On the way it loses some of its power, and at the station it is again amplified*

*several times. But it still isn't the kind of wave to go over the air. So meanwhile, another wave, the carrier wave, oscillating perhaps a million times a second, is generated by a crystal-controlled oscillator. This wave too is amplified.*



*In passing through the final amplifier, the carrier wave is controlled by the amplified audio wave; that is, the pattern of sounds of the audio wave is here impressed on the carrier wave, modulating it into the final, complete radio wave.*

*Ready for business, this radio wave shoots through wires, high up into the tower, where it is hurled out into space. If your radio is tuned to the frequency of the carrier wave, it will give a faithful reproduction of the studio program.*





# *Invasion in Maryland*

**SHORTLY BEFORE DAWN** on January 25, a wave of landing barges stormed onto the beach at Solomons, Maryland. With their arrival an ear-splitting roar of man-made thunder broke loose along the coast line as land mines exploded and artillery shells, machine-gun bullets and grenades were hurled against the invaders.

But still more landing craft came, wave after wave, discharging cargoes of men, jeeps, trucks, bulldozers and other paraphernalia of war. And adding their roar to the tumult, planes dipped and dived

overhead in attacks upon the incoming craft.

As the sun broke on the horizon, the beachheads had been fairly secured by the invaders, who began to consolidate their ground.

It was a full-scale invasion, all right, as realistic a battle-dress rehearsal as the United States Navy could arrange, for the Navy had as its guests that morning 29 labor and management representatives of plants where millions of workers are building landing craft and parts. Among the 29 were three East Pittsburgh men, C. A. Pickering,

Assistant Superintendent of Manufacturing, Switchgear and Control Division; L. F. Bollens, President of the Association of Salaried Employees; and T. J. Fitzpatrick, President of Local 601.

**THE THREE** Westinghouse men and the other representatives had reported to the Naval Amphibious Training Base at 5:45 that morning, had eaten a hearty Navy Breakfast, and then had been issued sea coats and gas masks before being taken to the beach set up for the full-dress attack.

During the invasion maneuvers, they heard tactics, strategy and the all-important roles of landing craft described by Commander S. J. Singer and Lieutenant Commander Frank Grismer, who took part in the invasion at Salerno. Relating the mock invasion to the Salerno attack, the Commander pointed out shortly after the maneuvers had started that "by this time the Salerno beaches were littered with the dead and wrecked equipment."

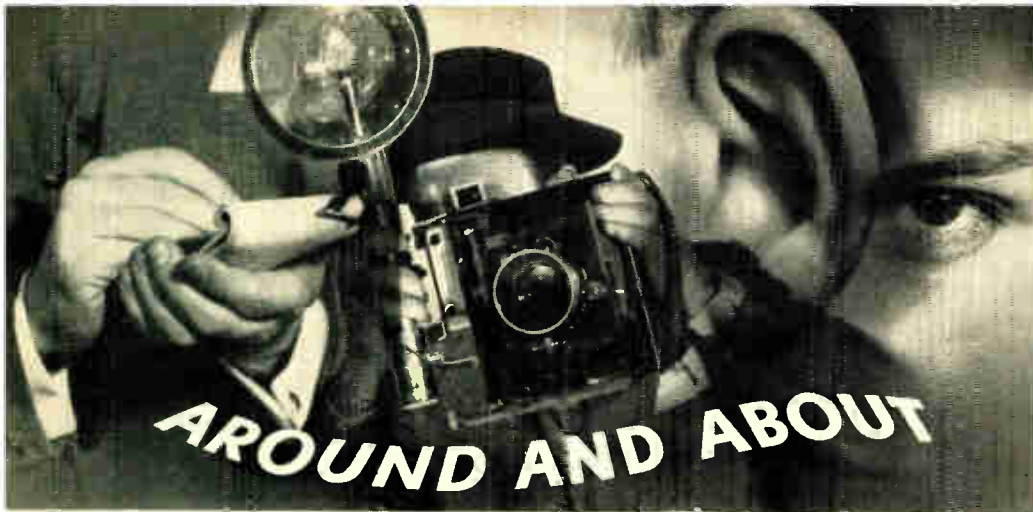
To the three Westinghouse representatives, it was readily apparent

*Continued on page 21*



Bundled in Navy sea coats, the three East Pittsburgh representatives (from left, C. A. Pickering, L. F. Bollens and T. J. Fitzpatrick) watch the full-dress landing maneuvers in Maryland.





### Post-War Electronics

"We shall end this war with a simply terrific amount of electronics know-how and facilities. All we shall need to start new industries is to discover what services will be useful in homes, industry, transportation and amusement," Walter Evans, Vice President in charge of the Radio and X-Ray Divisions, told the Radio Executives Club of New York last month.

At Westinghouse alone, said Mr. Evans, output of radio equipment is 51 times greater than before the war. "Most of the pre-war problems can now be solved adequately because of new developments and improved technique."

"It is our considered belief," he stated, "that all the technical answers are on hand for a successful television system, including a reasonably priced receiver.

"Such things will no doubt not come at once; first there will be a race among manufacturers for a slice of the largest replacement market in years. But wartime improvements will be added as fast as they can be assimilated by the industry."

Probably the outstanding electronic achievement of 1943, according to Mr. Evans, is the reflowing of tin, a Westinghouse development that saves about 65 per cent of the tin formerly necessary for making tin plate.

Radio waves have been put to many uses, such as molding plastics, bonding plywood, brazing and soldering, inspecting castings and forgings by high-speed X-ray, and so forth. As soon as the critical materials can be released, said Mr.

Evans, these electronic applications will become general.

### Breezy Weather Reports

Westinghouse radio station listeners are being treated to a new kind of station break.

"Tonight's weatherline, presented by Westinghouse Mazda Lamps—" says the studio announcer.

"You can ski or skate tonight; skies are clearing, colder tomorrow. For see-ability, get Westinghouse Mazda Lamps."

The brief and breezy forecasts are sent over the air three times every day.

### X-Rays Stop Bullets

Studies of the action of bullets as they zip through gun barrels or smack into armor plate and other materials is now made possible by a new 300,000-volt Westinghouse X-ray machine. The device takes radiographs, or X-ray pictures, of the bullets in a millionth of a second.

The units, mounted on wheels, measure eight feet long, seven feet wide and three feet high. Two of them, with their 24-inch-long ultra-high-speed tubes sticking out from the front of the carriages, are placed side by side so that pictures of a bullet can be taken at two different stages of its flight.

The Army has two of the machines at Frankford Arsenal in Philadelphia and two at the Ballistics Research Laboratories of the Army Ordnance Proving Grounds in Aberdeen, Maryland.

The first experimental tube for ultra-high-speed X-rays was devel-

oped at Bloomfield by Dr. Charles M. Slack and his associates.

### High-Frequency Heating

One dream we have about the post-war world is sure to come true—there will be cheap, strong products made of plastic and plywood. And much of the credit must go to high-frequency heating.

"The importance of producing plywood more efficiently by dielectric heating, bonding it in minutes instead of days, becomes clear when we consider the growing scarcity of timber and the lack of uniformity in lumber," explains Milton P. Vore, section engineer at the Radio Division.

Because plywood is uniform in quality throughout a given piece, Mr. Vore points out, it's not necessary to order pieces over size to allow for a large safety margin, as is the case when timber is used. And because plywood is stronger and lighter, he adds, it can be fabricated in any shape.

Battle-tested plywood products, like the swift PT boats that have sent many a Jap ship to Davey Jones' locker, are pointing the way to peacetime uses for plywood in furniture, walls for homes and perhaps pre-fabricated houses.

In the field of plastics, high-frequency heating makes it possible to produce forms and complete curing in a fraction of the time required before.

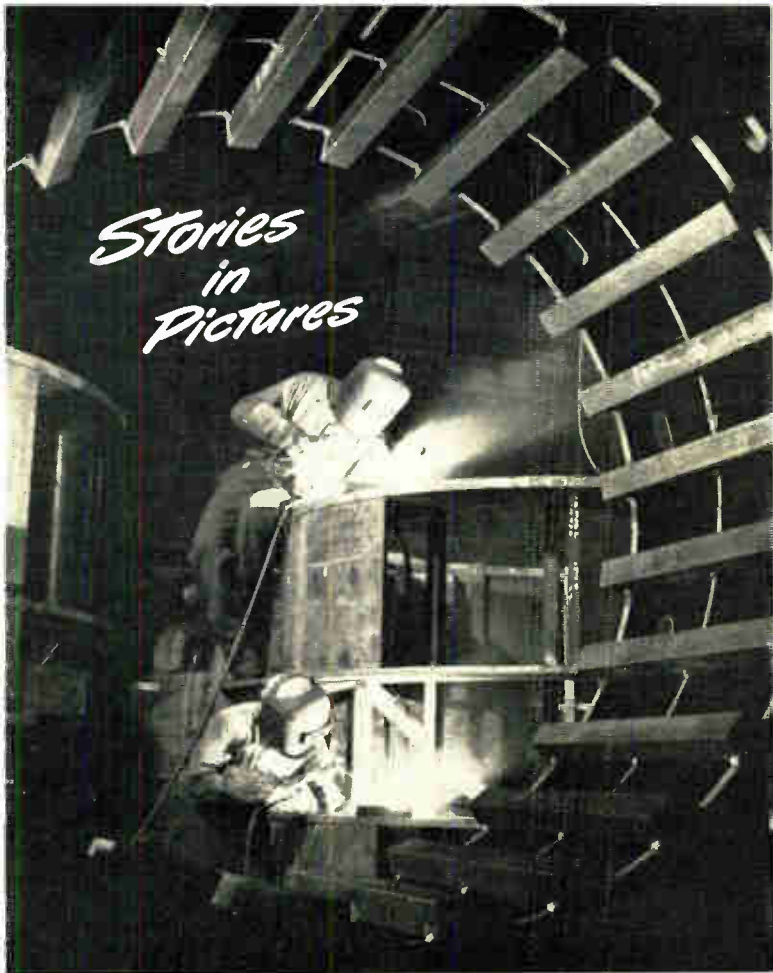
"The field of small objects that can be made of plastics is almost limitless," says Mr. Vore. "And some industrial designers are promising us automobiles and locomotives of synthetics."

High-frequency heating falls into two general classes, the engineer pointed out—induction heating, used with any kind of conducting material; and dielectric heating, for such non-conducting materials as plastics, plywood and rubber.

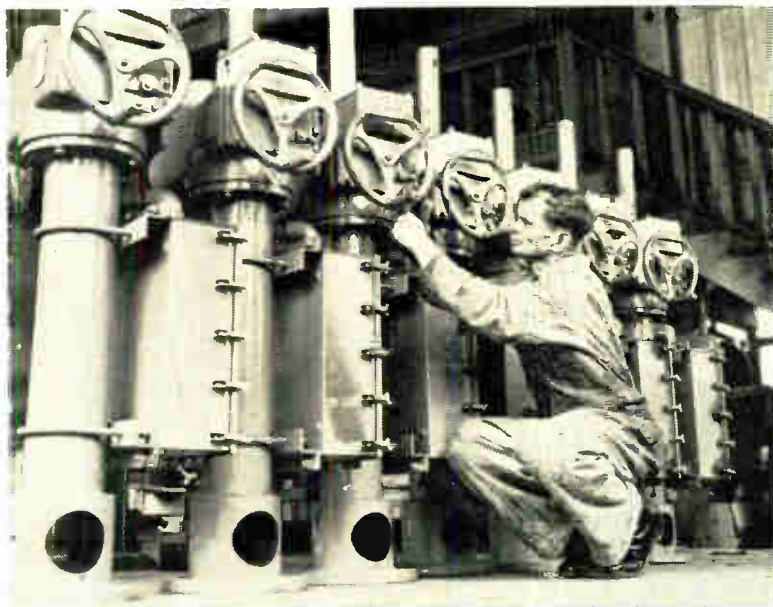
"The keys to the success of the high-frequency technique," Mr. Vore explains, "are that, being electric, it is more easily controlled than other methods, and that it creates heat inside the material instead of causing it to flow into the material."



# Stories in Pictures

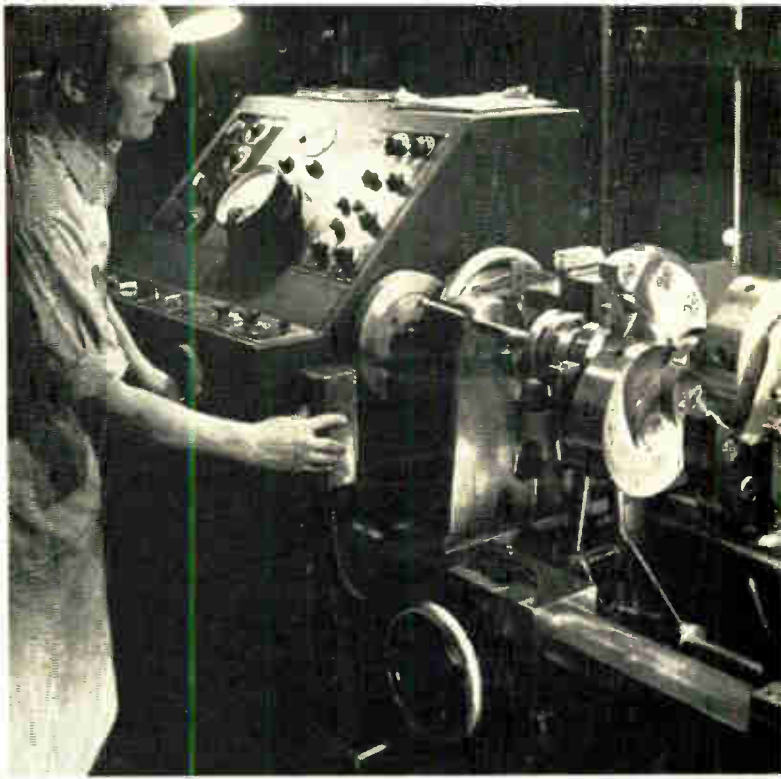


A team of East Pittsburgh welders is sealing the joints of a frame for a turbo-generator that will soon be supplying electric power for war-busy industrial plants. The circular frame which is shown in the foreground is for a 4,500-hp. electric motor.



An armor-clad squad of Navy fighters are these valve-control mechanisms used on large floating drydocks in which warships can be overhauled. Shown finishing up a repair job on one unit at Seattle M&R is Joseph Morath. The devices control the flow of water into compartments while the dock is lowered.

Part of a huge generator set to regulate the speed of six 57-ton motors totaling 36,000 hp., this rotor will go from East Pittsburgh Works to the wind tunnel at Moffat Field, where multi-blade 40-foot propellers will whip up indoor hurricanes.



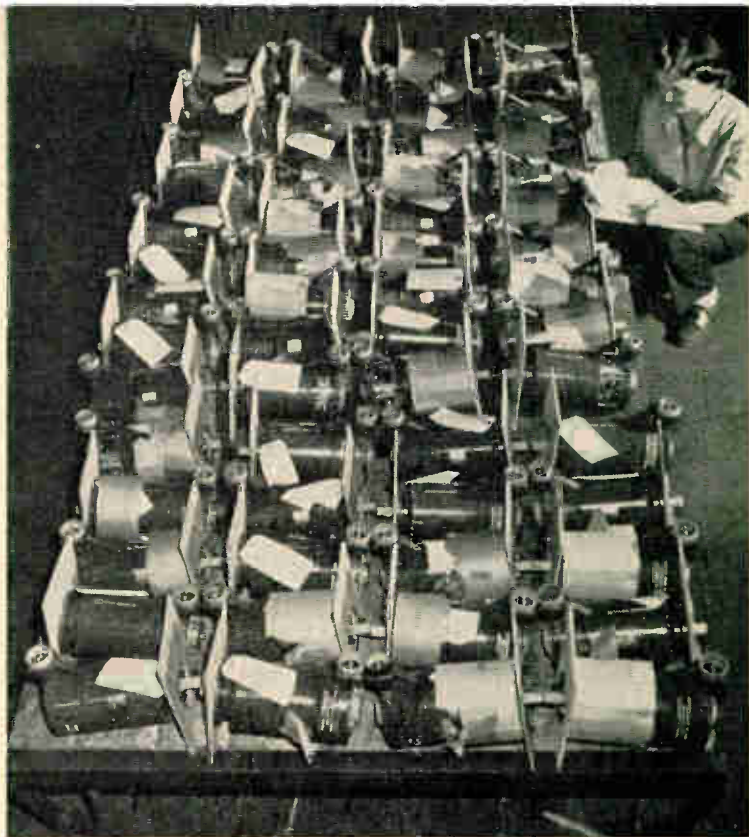
Cyclone engine crankshafts, manufactured by the Wright Aircraft Corporation, are assured of high dynamic balance by the Gisholt dynetric balancing machine, developed at Westinghouse. Slightest degrees of unbalance in the rotating crankshaft can be determined, as well as the exact point at which corrections should be made.



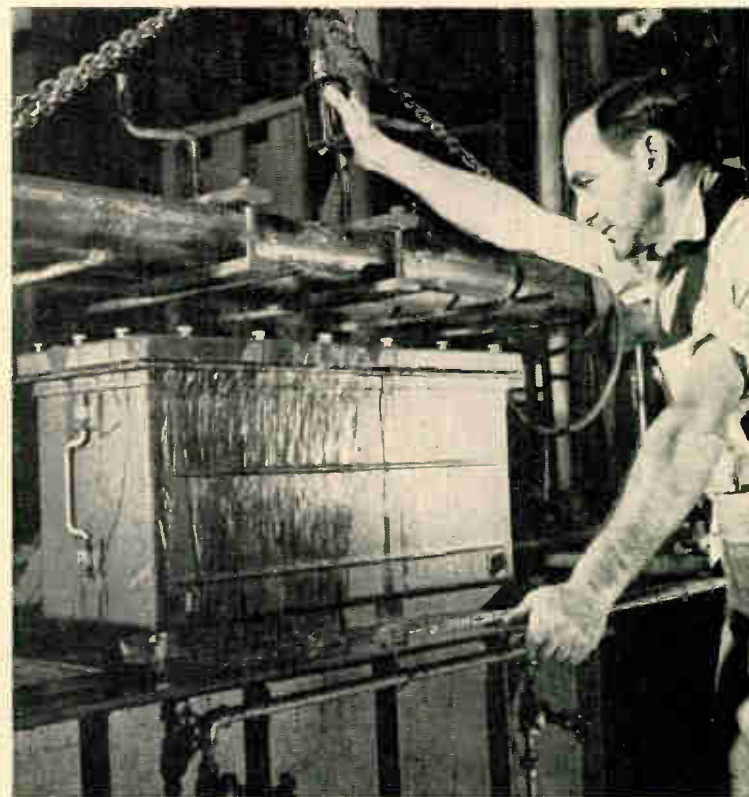




To protect the eyes of gunners who peer through telescopes in tanks jerking over rough ground, Kathryn Gross attaches a rubber-covered shield to the three-power telescopes made at Mansfield. Below: Eileen Swank shows how midget vacuum cleaners with soft paper tips pick all dust specks from the glass discs on which the telescope aiming scales are marked.



Electric power for 15 Flying Fortresses will be produced by these 60 generators, shown being checked at the Seattle M&R Plant by Marie Kapral. During a bombing mission lasting four hours, four of these generators must provide the bomber with as much electric power as would be required to supply 32 average-size homes for an entire day.



A radio, Commando-style, is shown being given its water test by Henry Phaneuf, of the East Springfield Works. Light in weight and able to withstand very wide changes in temperature, these radio sets must go overboard into the surf along with the men, to be dragged ashore and set up within a few minutes to transmit vital war information.





### An Engineer Retires

The last days of January, 1944, will always be memorable ones for DR. A. M. DUDLEY (see photo at top right), Advisory Engineer in the Patent Department.

On January 28 the Company paid its highest tribute to his achievements as an engineer by granting him the Order of Merit Award. The following day as many men as could crowd into the room paid highest tribute to him as a long-time friend at a banquet marking his retirement from the Company.

Dr. Dudley, a University of Michigan graduate, came to Westinghouse as a control engineer in 1902. As section head and then Manager of Automotive Engineering during the six years after World War I, Dr. Dudley helped to bring the automobile out of the acetylene headlamp era, and guided the development of better ignition systems.

In 1941 his alma mater awarded him the honorary degree of Doctor of Engineering.

### Named Commission Member

Recently appointed to the Connecticut Apprentice Commission was CUMMINGS S. KINSMAN (see middle photograph at right), for the last 10 years a mold die maker at the Bryant Electric Plant.

He will be a member of a 12-man board working with business, industry and labor in the training of apprentices for trades.

### Awarded 45-Year Pin

A veteran who has worked for more than a score of years at both

the East Pittsburgh and Sharon Plants, ROBERT P. BURTT was last month presented a 45-year button at Sharon, where he is now Clerical Supervisor in the Engineering Standards Section.

The presentation was made by Department Manager J. K. Hodnette, shown at the right in the photograph at lower right. At the left in the picture is W. M. Dann, Assistant Engineering Manager.

### Westinghouse Heroes

Air Medal awards for "exceptionally meritorious service" have been made to two more Westinghouse airmen, one of whom was later killed.

LIEUTENANT NICHOLAS WAGNER, of Madison Wesco, had earlier received a Purple Heart Medal after being wounded in air action over Toungoo, Burma. He went back to fighting as soon as he had recovered, and lost his life while helping to save nine members of another crew from certain death.

LIEUTENANT JAMES M. GRAVES, III, was awarded his medal after 100 hours in the air as a navigator. Since then he has run his total to 250 hours. Lieutenant Graves is the husband of Louise Graves, Headquarters Industrial Relations.

### Appointments

Vice President and Comptroller Roscoe Seybold announced the following changes in the Accounting organization: CLYDE C. CHAMBERS, Manager, Disbursements Section, East Pittsburgh; WILLIAM V. DEANE, Manager of the newly created Audit Service Section, East Pittsburgh; J. F. HAMMAN, Assistant Manager, Claims Section, East Pittsburgh; J. K. LAIRD, Assistant Manager, Accounts Receivable Section, East Pittsburgh; J. R. TAGGART, Manager, Claims Section, East Pittsburgh; N. B. ZEIGLER, Special Representative, Receipts and Disbursements Division.

Other recent appointments include: H. D. BALDWIN, Manager, Industrial Relations, Middle Atlantic District; J. H. BLACK, Manager, Wilkes-Barre Office; H. G. CHENEY, Staff Assistant to W. J.

Continued on page 22



Vice President M. W. Smith, Dr. Dudley



Commission member Kinsman



Mr. Dann, Veteran Burtt, Mr. Hodnette

# Susie-Cues



## FUMBLING FURLONGHS

sugar reports she sent him daily at camp for the past months earn her a few special hours of his time. Besides, she might be wearing your name with a Jr. behind if after the war, and if you're generous with him now you'll be promoting a bit of good in-law policy.

Or say you're already Mrs. Johnny. Don't take too literally that bridal-day dialogue about forsaking all others when he says he'd like to spend a few hours with his pals. Maybe he knew them even before he met you, and you can't wash him out of an opportunity to strut his stripe before an admiring male audience.

Just add up the people that are going to be putting in possessive bids for his time—Mom, Dad and assorted relatives battling it out with Patty and Mrs. Johnny—and have a heart for the furloughed hero who's going to feel more like a picked chicken. He can't please all of you; he's bound to hurt someone even if he's a born diplomat. And as long as you remember that, you can help him instead of putting on your neatest pout and getting that "misunderstood" tear in your eye.

**MAYBE JOHNNY** will spout Army talk like a fountain. It's going to bore you, especially if you're expecting sweet nothings. You'll feel plenty neglected when he looks deep into your eyes and tells you what a sweet little job that plane of his is. He's living, eating and sleeping Army. It's not something he leaves at camp when he furloughs. Listen to him, ask interested questions. Hold your tongue—and his interest.

You don't have time on a six-day leave to be coy and kittenish, either. Johnny's not the same fellow next door that you used to wrap around your finger and work on a string like a yo-yo. He's a serviceman, and he's doing one of the biggest jobs he'll ever have. He's a man. Don't you be any less a woman.

**ALL OF A SUDDEN** the only thing left of the leave will be the traveling time. Be a master of the seeing-him-off-well school. If it's necessary, wring your only dollar hanky to ragged shreds and ruin your new manicure to dam the tear flood. You don't have to weep to show him how really sorry you are to see him go.

Don't be too noble, either. Swallow the smart remark you were about to toss off. He enjoys being missed up to just short of tears. He expects to be.

**USE YOUR** head at furlough end. There are as many right ways of bidding him goodbye as there are girls looking for them. But the millions of ways all reduce to a common answer. You're giving him a final picture to remember. Make it pretty!

**ONE OF THESE FINE DAYS** a brass-trimmed C.O. will be making a down payment on a 14-karat halo by giving that khaki-clad Johnny of yours a long-awaited furlough. And when Johnny comes racing home, what kind of a welcoming angel are you going to be?

You've been day-dreaming about it for so long—even to the last frill on the outfit you'll wear to the station—that you may have poor Johnny's furlough planned and subdivided to within an inch of its six days and traveling time.

That's bad. Just because you've been sitting home these many months knitting olive-drab socks and holding your own hand in the movies, don't let the strange luxury of having a man around go to your head. Remember, it's *his* furlough!

Let him mosey through his six days if that's what he wants to do. The Army has been rushing him for months. Don't be provoked if he wants to sleep till noon a few mornings. And close your amazed mouth when he wants to lounge in an easy chair with his shoes off and watch Mom run the vacuum sweeper and shell peas for dinner.

**SUPPOSE** you are Johnny's Mom. Don't make him unhappy by pouting when he leaves you for a couple of hours to take Patty dancing. Patty's pretty important, and the





# *Within the Family*



*Temporarily within the family are these representatives of four foreign countries, who are being trained at the East Pittsburgh Plant in the construction and operation of many kinds of electrical equipment (see story on page 14). Fethi Ulgen is shown pointing out his home town of Ankara, Turkey, to: (from left) Raul Oldan, of Uruguay; Nicanor Lora, of Chile; and Mariano Vilchis, of Mexico.*



## WITHIN THE FAMILY

**THERE'S A NEW** international set at Westinghouse—a set made up at present of 11 students and trainees whose homeland names read like a world roll-call. From Mexico, China, Uruguay, Chile, Turkey and Colombia the industrial ambassadors have come to learn electrical know-how at Westinghouse plants, under the sponsorship of the Westinghouse International Company.

From China, where tremendous water-power facilities can be harnessed by trained electrical engineers, have come two Army officers (see photograph on page 15), Captain Hsien-Tseng Chin, graduate in electrical engineering at the National Pei-Yang University, and Captain Shih-Shain Huang, electrical engineering graduate from the University of Tsing-Hua in Peiping.

Captain Huang is working with all types of electrical apparatus that can be used in the Chinese Army, particularly motors and generators which might go into transportation equipment and tanks.

Both men are interested in power-plant engineering. Some of Captain Chin's most important work on returning to China will be on packaged power plants—self-contained

steam units especially constructed for installation in the mountain caves used for besieged war industries in China.

Representatives of four different countries appear in the picture on page 13. Fethi M. Ulgen, of Turkey, is on a Turkish government scholarship that took him first to study in Berlin at the Technische Hochschule for three years before he came to finish his college work at the University of Pittsburgh. He plans to get into central station work.

Nicanor Lora calls Santiago, Chile, home. He studied engineering at the University of Chile for a year, and has since been a buyer of electrical equipment for the Anglo-Chilean Nitrate Company.

Some of the young men are exchange students, being trained at Westinghouse on scholarships offered by the American Trades Administration, sponsored by the Rockefeller Scholarship Foundation. Altogether there are 80 exchange students from foreign nations studying in the United States, and a like number of American scholars are in those countries.

Mariano Cruz Vilchis, exchange student from Mexico, is a graduate

in electrical and mechanical engineering at the Instituto Politecnico Nacional. He is concentrating his studies in the Transportation and Generator Division at East Pittsburgh Works.

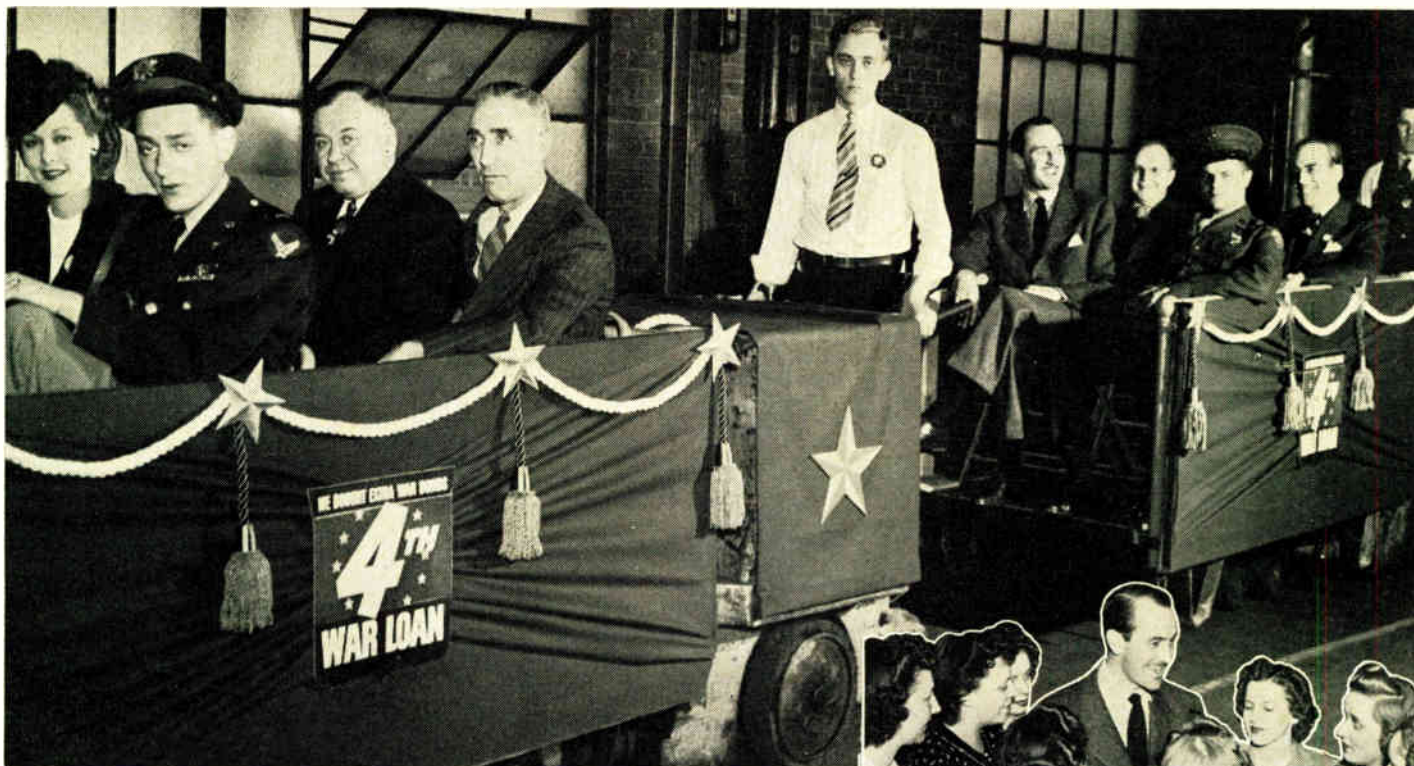
Raul J. Oldan, on exchange from Uruguay, graduated from the University of Montevideo in electro-technics. He aims ultimately to work in a hydroelectric power plant for the Uruguayan government.

The students and trainees are doing their work at the East Pittsburgh, Sharon, South Philadelphia and Newark plants. Those not in the Pittsburgh District when the photographs on pages 13 and 15 were taken are: Fu Tang Loh, of China; Kemal Ali Bilgesu, a Captain in the Turkish Army; Gustave Gutierrez, Mario Molina and Jose Tejada, of Colombia.

♦ ♦ ♦

**BACK** at Westinghouse Radio Stations, Inc., after a two-year stint with the Office of War Information, F. P. Nelson will be Manager of Television and Shortwave Activities. Mr. Nelson previously headed the Company's short-wave operations, and was originally stationed

Continued on page 17



**ELECTRIC TRUCKS** converted into sightseeing deckers carried Actress Maria Montez and Lieutenant Dick Sloss (front of first decker) and Actor Lee Bowman and Marine Sergeant Pete Zurlinden (front of second decker) as they were taken on a tour of the Mansfield Plant before a rally opening the Fourth War Loan Drive. More than 3,000 employees attended the rally, part of a campaign to raise \$330,000 to buy a Liberator bomber. At the right, Lee Bowman is surrounded by admirers seeking autographs.





A SPARE-TIME MAGICIAN who has performed before thousands of persons in Pittsburgh, Henry Abel recently did his tricks at an East Pittsburgh Health for Victory meeting. Mr. Abel, a 30-year veteran with the Company, is assisted in his shows by his daughter, Bertha, who is employed in Shipping at East Pittsburgh.



BOTH CAPTAINS in the Chinese Army, Hsien-Tseng Chin (left) and Shih-Shain Huang inspect a Micarta helmet liner made by Westinghouse for the United States Army. Trainees at the Homewood Works, these men are learning to operate and maintain electrical equipment (story on page 14).



BORN AT PEARL HARBOR two and a half years ago, Carol Elizabeth Watt was an interested spectator when her mother, Mrs. Elizabeth, of the Better Homes Department, was presented four medals awarded posthumously to her husband, Colonel Watt, lost in a North Pacific air battle. Story on page 17:

FORMER KYW elevator operator Walter Dabney is shown displaying the citation he received for finishing with top honors in his class at the Great Lakes Naval Training Station. With Fireman Dabney is Anne Gostkowski, elevator operator who is replacing him for the duration.







MOTHER of four daughters, and one of the oldest Merchant Marine employes in point of service, Mrs. Kathryn Sneering is shown operating a turret lathe, turning out fighting equipment for the Navy.



EMPLOYEES who will act as deputies to assist Westinghouse men and women of the Pittsburgh District in filling out income tax returns were recently given a course of training by C. F. Nasarik, Income Tax Office Deputy. From left are: Mrs. Bertha Gibson, Nuttall, A. L. MacDonald, Trafford; Mr. Nasarik; L. J. Dean, Patent Department; J. Gera, Research; Alva Lula, Law Department; W. L. Smith, Nuttall.



HIGH C! The C Building at the Canton Ordnance Division was recently awarded the Plant's 1943 Safety Plaque for establishing a record of 450 consecutive days without a lost-time accident. Works Manager W. O. Lippman made the award presentation; Safety Supervisor Charles Willis arranged the program.



BACK TO HELP in another war emergency is Mrs. John Conversano, of Bloomfield, who worked there during World War I. She has two sons in the Navy.



A TESTER at Newark, Mrs. Lillian Parvin gave women listeners plenty of reasons for getting into war work in a recent interview over Station WAAT.



HELPING Louisville to meet its blood plasma quota recently were these 12 Westinghouse girls, from left: (seated) Dorothy Wedman, Dorothy Hepke; (standing) Majorie Hartman, Mary Baker, Christine Hackley, Foster Orr, Lucille Adams, Kathleen Austin, Edith Johnson, Lula Roberts, Rachel Hardison, Nellie Lewis.





**A HUNDRED PER CENTER** is Paul Buck, Jr. (center), of MA-20 at East Pittsburgh, who earns the title by putting all of his pay every payday into bonds. He's shown receiving his pay check, reading \$00.00, from Paymaster T. Bitzer. At left is H. L. Goehring, Motor Division Personnel Supervisor.



**VISITING CANTON** during the Fourth War Loan Drive, Hollywood's Charlie Ruggles and Elaine Shepard posed with Merdine Dutton, R.N., of the Medical Staff, whose husband was lost when the Gannet was sunk. With her husband's back pay, she bought a \$1,000 bond, and she bought her allotted bond, too.

## WITHIN THE FAMILY

Continued from page 14

at WPIT, Pittsburgh, and WBOS, Hull, Massachusetts.

He joined OWI in October of 1941, and as Assistant Chief of Communication Facilities was located in New York and later in San Francisco.

• • •

**PRESSMAN** Johnny Martin, who rolls out pages of this Magazine at the Printing Division, rolled a trio of red-hot games last month to win the tenpin championship in a local tourney. Johnny's three-game total of 712 topped the scores of 400 other contenders for the title.

• • •

**A HERO'S WIDOW**, Mrs. Alice Watt (see photograph on page 15), now a secretary in the Company's Better Homes Department, last month received four of the nation's highest military honors, awarded posthumously to her husband, Lieutenant Colonel James R. Watt of the Army Air Forces. The awards included the Distinguished Service Cross, the Distinguished Flying Cross, the Air Medal and the Purple Heart.

Two-year-old Carol Elizabeth Watt, born at Pearl Harbor, was at her mother's side as Major Earl Bartholomew, Commanding Officer of the University of Pittsburgh's College Training Detachment, read the citations paying high tribute to her father's courage and leadership.

Continued on page 18

IT'S A FACT

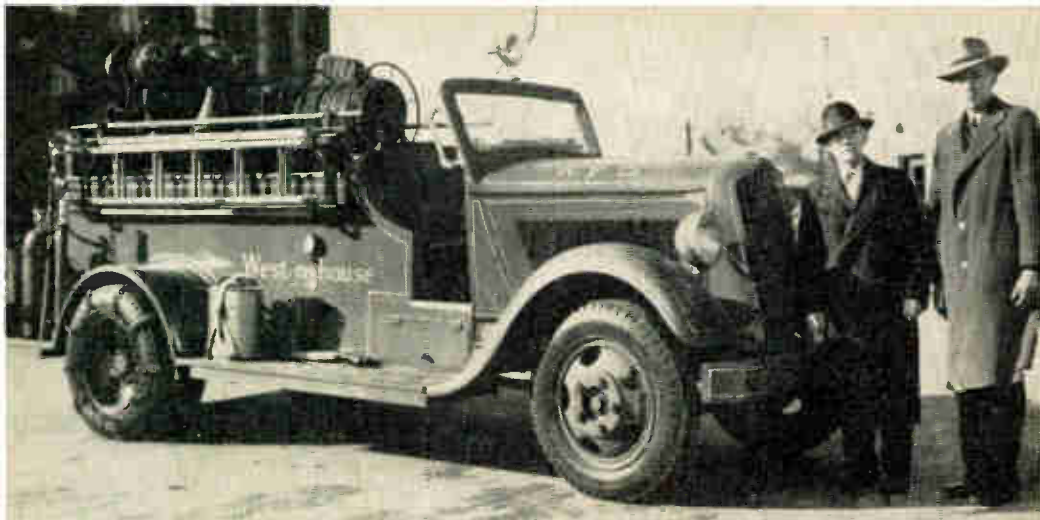
Standing on edge and packed tight in file cabinets, documents in the Company's record file would make a row a little over 50 miles long.

Nearly 100 gallons of oil a day are salvaged after removal from the air by Precipitrons in one section of a midwest war plant.

65,000,000,000,000, etc.

For each penny's worth of electricity you purchase, 65,000 billion billion electrons are pumped into and out of the electrical circuit in your home.





READY TO ROLL in any emergency is East Springfield's new Plant fire truck, one of the most modern in the state. Designed by Police Lieutenant R. C. Lawless (shown at the extreme right with Plant Fire Chief Joe Magnan), the truck body was built in the Plant under the Lieutenant's supervision. It contains every type of modern emergency equipment, including one of the largest pressure-booster tanks in the city.



## WITHIN THE FAMILY

Continued from page 17

Colonel Watt was lost in action in the Aleutians last May when the group of six fighter planes he commanded intercepted 16 Japanese heavy bombers. The six American fighters accounted for 12 of the bombers within half an hour, but Colonel Watt's disabled plane failed to return to its base.

○ ○ ○

**BROADCASTING** recently from Station KYW, Robert St. John, well known National Broadcasting Company commentator and author, was introduced to various staff members. When Bill Rambo introduced him to Ruth Welles, KYW's women's commentator, Ruth asked politely, "Are you joining our news staff, Mr. St. John?"

"Only for today," replied the commentator-author, thereby being a commentator-author-diplomat.

○ ○ ○

**ANNOUNCER** Franklin Evans, of KYW, called Program Manager Jim Begley to report that he had just become a father and was on his way to the hospital to meet the new arrival. Quipped Begley, "Take along an announcer's application."

○ ○ ○

**THE MAN** who gets our military stories approved in Washington sent in this item—so read it, please:

Most of the 25 men now working in Washington who were formerly connected with the sales or engineering departments of the Electric

Continued on page 21



RED-LETTER DAY for the Steam Division Police Guard Force came last month with the presentation of the War Department Guidon in recognition of the group's performance of duty. At left, Works Police Captain A. B. Sode (right) presents the Guidon to

Sergeant J. J. O'Neill. Above: Members of the Guard Force are shown standing at attention behind the large award banner. At the right, Colonel Thomas H. Stillwell, Commanding Officer, District 5, Third Service Command, is shown commending the Guard Force.





NOBODY would have dared to sing a note of Salt Lake City Blues at this get-together of Parent Company and Supply Company folks in Salt Lake City, as

you can plainly see. Because S.L.C. people seldom get in front of a camera, we're running this picture of their holiday luncheon to introduce 32 of them.



MOUNTED UPON a tricycle, this XI tank was built by Frank Shook, Jr., photographer at Louisville, as a Christmas present to Tank Commander Frank Shook III, age seven. His brother Joey is operating a mobile submarine gun.



LUNCH-HOUR DANCING in the Plant auditorium at Sharon has boomed since the Employes Social Committee put a juke box to work. This new opportunity for rhythmic recreation is enjoyed by men and women workers on all shifts.



WITH SERVICE RECORDS totaling 492 years, Seattle veterans gathered to witness the presentation of a 25-year button to Lee Doser, Application Engineering (center), who's never missed a day's work. Seattle Manager K. L. Howe made the presentation. From left: H. De Camp, 22 years' service; B.

Brickell, 21; G. Miles, Sr., 42; H. Lamon, 21; L. Burque, 23; E. Lowell, 36; B. Keins, 38; G. Boyd, 20; R. Forbes, 20; Mr. Doser; R. McKinney, 21; Mr. Howe, 20; A. Bulen, 20; G. Veno, 20; J. Rispoli, 24; L. Goodge, 23; Pearl Smith, 22; Mrs. B. Ellis, 26; Mrs. R. Walker, 24; Agnes Mingo, 24.

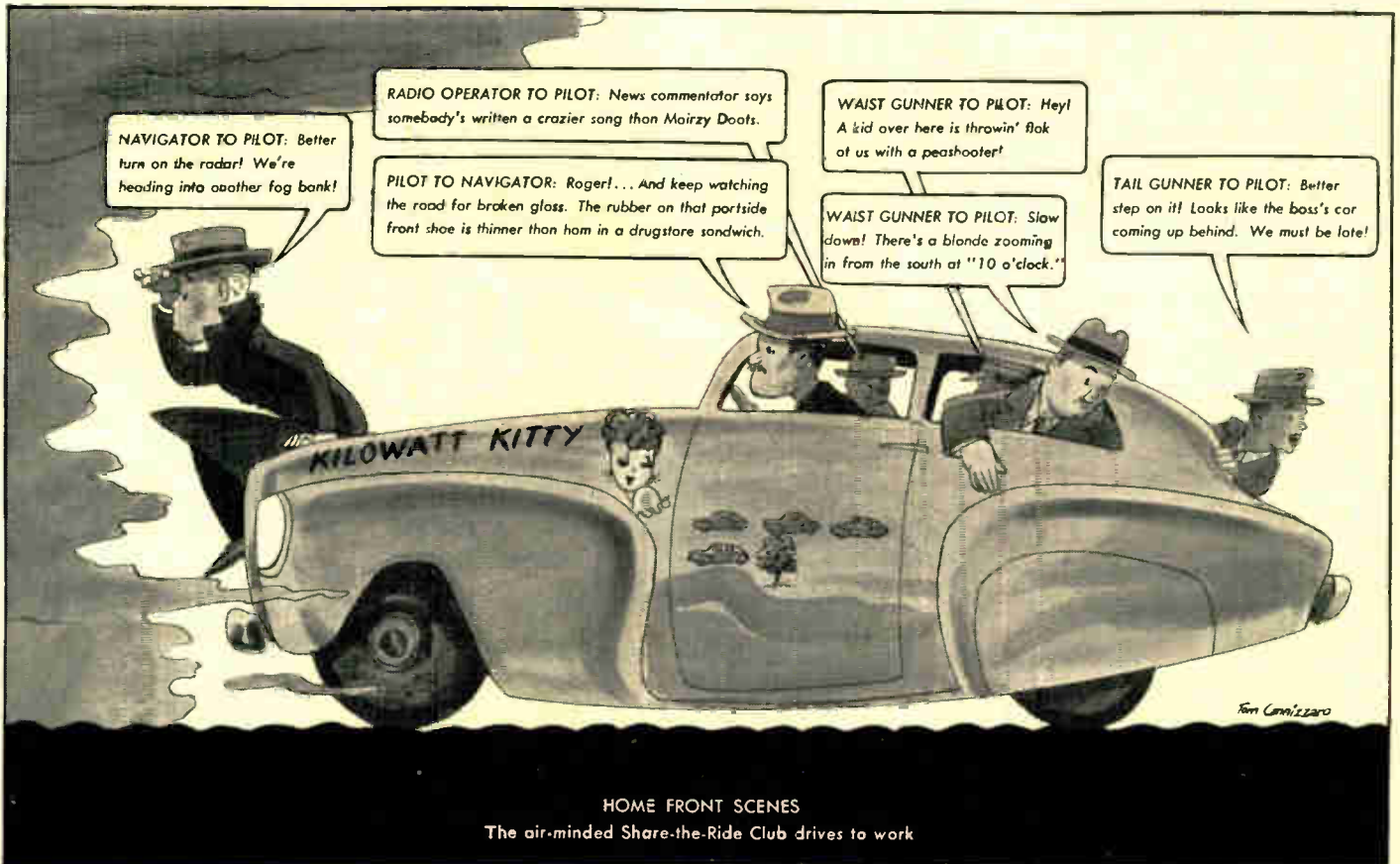




MEET Miss Westinghouse (and don't crowd, please!), of the Meter Division. She's Rose Emma Vavro, a typist at the Newark Plant, who was selected to represent the Company in a pin-up girl contest being conducted among war plants in the Newark Area. She was chosen from among 30 departmental winners.



SHARON'S basketball team, which is leading the chase in the Shenango Valley's Industrial Class A league, watches carefully as Coach James McClimans diagrams a play that's calculated to upset an enemy defense. From left are: (kneeling) Harry Killa, Pete Leyshock, Quenton Jones, Mr. McClimans; (standing) business manager Harry Skinner, George Skinner, Charles White, Benny Jones, Lynn Myers, John Smith, social committeeman John Goldie.



HOME FRONT SCENES  
The air-minded Share-the-Ride Club drives to work



## WITHIN THE FAMILY

Continued from page 18

Appliance Division got together last month for a remember-when session, complete with Dutch-treat dinner. M. C. Turpin, Government Representative of the Appliance Division, emceed the program.

An unexpected guest was Victor Vaughn, who had a lot to do with the development of the famous Silent Watchman thermostat now used on Westinghouse refrigerators, motors and other appliances.

## INVASION IN MARYLAND

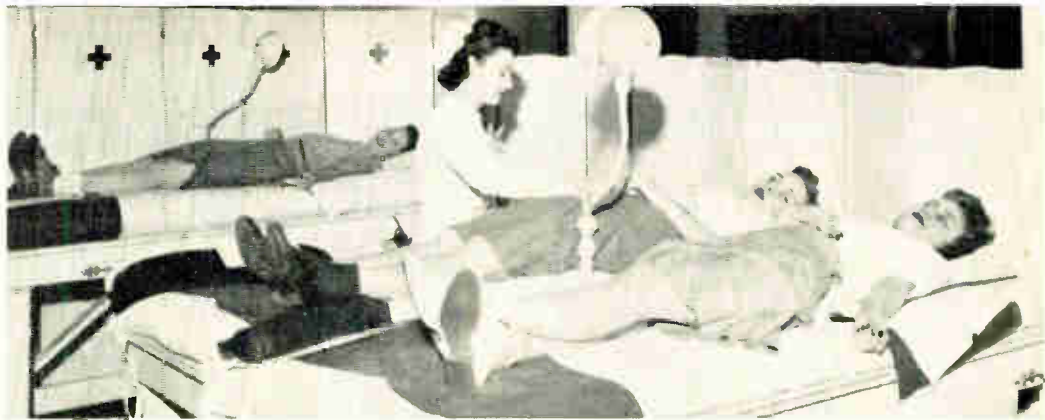
Continued from page 7

that products manufactured by the Company had a big responsibility in any landing attempt. "We were impressed," they said, "by the fact that there's a period in the landing operations when these men's lives depend entirely on perfect operation of their equipment. If anything goes wrong out there, and the landing craft stops, it's a dead pigeon."

The Westinghouse contributions to landing craft equipment come from several different plants. Foremost among the suppliers are East Pittsburgh's Motor Division (a single LST craft has 142 different motors) and Switchgear and Control Division, which provides such items as winch control, auxiliary control, pedestal control, switchboards, circuit breakers, switches, rheostats and regulators. The Small Motor Division at Lima is also involved in production for landing ships.

After a tour of the base, the three East Pittsburgh men returned home to pass on to Westinghouse men and women the story of what's needed to fulfill the nation's production schedule of 80,000 landing craft in 1944, and to urge employes to make every bit of the equipment with the greatest possible skill and care.

As one of them expressed it, "Those youngsters storming onto that beach were as rugged and as capable a bunch as I've ever seen. They've got to be for a job like that. And it's up to us to give them electrical equipment that's just as rugged and just as dependable."



MORE THAN 400 Fairmont Works employes became blood donors recently when the Red Cross Mobile Unit paid a three-week visit to the City of Fairmont. Donors pictured above are, from left: Mrs. Ruth Barker, the Plant Recruiting Committee Chairman, Helene Clowser and Betty Morris. The nurse is Margie Thomas.



VOLUNTEERS ALL are these Baltimore employes serving in the Coast Guard and American Air Forces Auxiliary Service. Left: (front) Don Morgan, H. H. Kramer, Edwin Martin, Clark Costello, E. P. Hammum, Howard Taylor; (middle) Tom Ronaghan, Arthur McClelland, Chester Land, Charles Huey, Eugene Charest; (back) Harry Grant, Gary Moore, Albert Dittus, Ted Bertram, Thomas Mooney and E. A. Huey.



RADIO AND X-RAY DIVISION employes donated for more than their quota of 500 pints of blood when the Red Cross Mobile Plasma Bank made a three-day visit to the Plant. Above: First blood contributors were C. J. Burnside (left), Mcaager of the Radio Division, and L. O. Pratt, President of Local 130. Below: Canteen workers with the Red Cross unit are pictured furnishing a lunch to the Westinghouse donors.

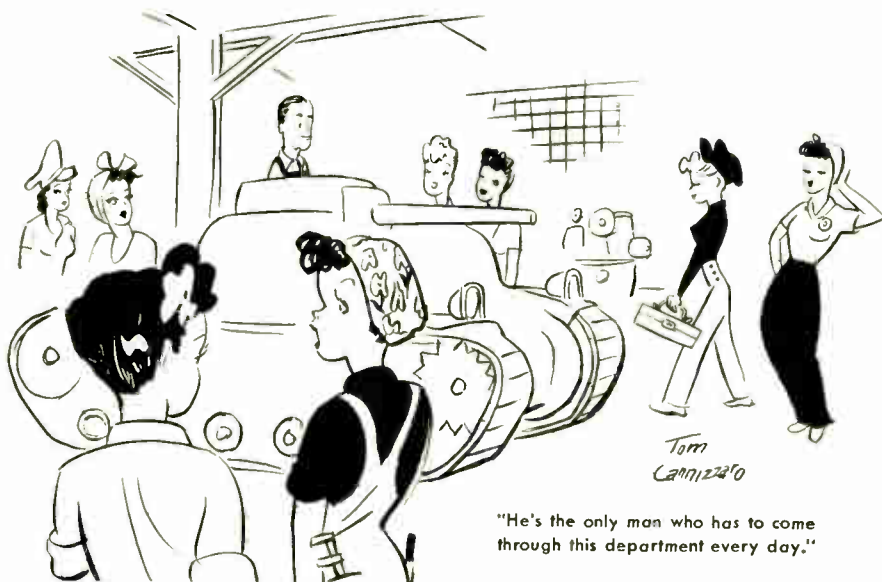




## RETIREMENTS



Retiring after 36 years of service at East Pittsburgh, David Watkins was honored by his fellow workers with a gift, presented by Foreman L. E. Clark. Mr. Watkins was last employed as elevator dispatcher. Others to retire in January were: Edward Hackrath, of Bloomfield; George Kennedy and John Lohan, of East Springfield; James Schall, of Pittsburgh M&R; Joseph Curtin, of Pittsburgh Office; J. W. Hugus and H. W. Federkeil, of East Pittsburgh; F. J. Butera and Henry Zona, of East Pittsburgh Disability.



"He's the only man who has to come through this department every day."



World Radio History

## GRINCIDENTALS

### Two's A Crowd

At East Pittsburgh, Gil Lanewicz sat for two hours in a theatre in what he thought was a rather small seat, to find at last that he was sharing it with another man.

### No Birdie

At Louisville a husky young fellow, about to get his pre-employment X-ray, backed against the machine's plateholder and asked the nurse, "Should I smile?"

### Frills at the Front

Supply Company employes in service were offered a year's subscription to any Magazine as a Christmas gift. From one tough doughboy came a request for *Good Housekeeping*.

### G.E. Whiz

At Pittsburgh, the Magazine got its bound volumes of last year's issues back from the binder, neatly packed in a box bearing the words "A Product of General Electric."

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Contributions to *Grincidentals* are welcomed from all employes and \$5 in war stamps will be given for each item published. Items must pertain to Westinghouse employes.

## PEOPLE OF THE MONTH

Continued from page 11

Massey, General Lamp Sales Manager; I. M. DINGER, Staff Assistant, Equipment Manufacturing and Maintenance, Lamp Division; R. E. EBERSOLE, Lamp Sales Manager, Bloomfield; M. M. FEAMAN, Manager of the newly created Water Heater and Dishwasher Department, Electric Appliance Division; JOHN GELOK, Manager, Lamp and Electronic Tube Parts Sales . . .

R. J. MILLER, Branch Manager, Philadelphia M&R; LEE J. MURRAY, Departmental Supervisor, Works Industrial Relations, East Pittsburgh; H. A. PERKINS, Manager, Forms Design, Printing and Publication Division; J. W. SCHAFER, Manager, Industrial Relations, East Pittsburgh; W. D. TURNBULL, Manager, Agency and Specialties Department, East Pittsburgh.

SHOP WORKERS at Seattle M&R are staying after work one night a week to take a course in industrial electricity. R. T. McKinney serves as tutor for the class, which has over 40 members.



# Keep *Keep* ☆ ☆ ☆ Posted DIGEST

Keep Posted is a newspaper prepared by the Magazine staff exclusively for Westinghouse employees in service. This Digest is printed with the thought that Magazine readers will enjoy several of the principal stories from KP.

## First War Aim Award Goes to Lima Corporal

KP's first award of \$10 for the best message written by a Westinghouse man in service on the subject "What I Am Fighting For" goes to Corporal Joseph W. Stahl, former inspector at the Lima Plant, now stationed in the Pacific area with an Engineers' outfit.

Corporal Stahl's letter was tops among the first batch received in response to the announcement of the awards. The text follows:

"I know what I am fighting for. It's because I have faith in the peoples of the world that they will carry on the fight after the armistice is signed to establish world peace, justice, and better living conditions for all. The war will not be won by the use of arms alone, but by the continued effort of the armed forces and those in civilian life to make sure that these things which we dream of are made a reality.

"How can just ending of a war bring about peace and happiness for all? Today there are evil forces hindering our ultimate goal, and it is true that the use of arms is the first step to break down these out-of-date reasonings in order that the new principles can be put into effect. Therefore, we in the armed forces believe we are doing our part by winning the first step.

"After that, all of us must continue to make sacrifices; to do all within our power to establish that hope for which thousands of men and women are sacrificing their lives. We can't let them down by reverting to our pre-war living standard, which nine times out of 10 was a selfish attitude. If we do not wish further wars, we must accept new principles. We cannot have world peace, justice, and happiness

in a new world by using and holding on to old ideas. The outcome is inevitable conflict such as we have today.

"Yes, the real fight is after the firing has ceased. I know what I am fighting for and I am willing to give my life if need be, because I have faith in you—that you will carry on the fight to establish a new world."

Awards are being paid each month to Westinghouse men and women in service for the best messages on what they are fighting for in this war.

An award of \$10 is paid for every letter on this subject which merits publication. Later a board of judges will select the best letter that has been written on the subject, and an additional award of \$25 will be paid.

## Westinghouse Diary Aids Major in Africa

Sweating out an electrical job in Africa is a far cry from tackling an engineering problem in Seattle. For details ask Major Robert E. Blasen.

Because the Major was the lone electrical engineer in his outfit, he inherited several fair-sized electrical jobs, and he gladly credits his Westinghouse experience and the Company's 1943 Diary with pulling him through some baffling spots.

The Major was with the first troops to enter Bizerte after its fall to the Allied forces. There he found some amazingly modern electrical equipment of German and French manufacture, although the greater part of it was of American make. "The foreign switchboard panels were really modern, and the benchboard controls rivaled those we manufactured, except for the missing indicator lights," he said.

Major Blasen was astonished to find the power station in Bizerte

still intact, despite the leveling raids by the Allied bombers and the scorched-earth tactics the Germans followed in retreating. Oddly enough, the power station was about the only thing left standing. Its diesel-driven generators also were intact, because they had been buried deep in a cave.

## Handy Marine Is Popular Lad

Probably every outfit in the services will insist on having a former Westinghouse employe on its roster if enough stories like the one about Corporal John C. Hand get around.

Corporal Hand, who was employed at the Supply Company branch in Syracuse, is a popular lad with his Marine buddies in training at Guadalcanal. He's in charge of the projection booth where free movies are screened every night, and his electrical know-how has kept the projector going despite all sorts of mishaps.

There doesn't happen to be a spare-parts store on Guadal, so the Corporal has had to commandeer a couple of jeep tail lamps and a 1,000-watt airway beacon to keep the projector in operation.

The Corporal, incidentally, enjoys the distinction of being the only enlisted man in the unit to have an electric light in his tent. He got an old generator, rewound and repaired it, and now has it putting out juice for a 300-watt bulb.

## Westinghouse Willie



"Well, Sarge, I thought I'd earn a few extra bucks on the side."





### THE STORK CLUB

Mr. & Mrs. William Albright, Sharon, boy  
 Mr. & Mrs. James Barone, Linhart, boy  
 Mr. & Mrs. Edward Bellama, Sharon, boy  
 Mr. & Mrs. Bill Bernstein, Merchant Marine, girl  
 Mr. & Mrs. Al Bourgeois, East Springfield, girl  
 Mr. & Mrs. C. R. Brown, South Philadelphia, boy  
 Mr. & Mrs. Eugene Bruneau, Merchant Marine, twin girls  
 Mr. & Mrs. William Eckard, South Philadelphia, twin boys  
 Mr. & Mrs. D. Ellenberger, Sharon, girl  
 Mr. & Mrs. Franklin Evans, KYW, boy  
 Mr. & Mrs. Paul Friend, Mansfield, girl  
 Mr. & Mrs. Robert Grieve, South Philadelphia, girl  
 Mr. & Mrs. Thomas Grimes, Sharon, girl  
 Mr. & Mrs. Henry Hauzlik, Merchant Marine, girl  
 Mr. & Mrs. Donald Hill, Merchant Marine, boy  
 Mr. & Mrs. Bill Hlinsky, Sharon, boy  
 Mr. & Mrs. Ivan Ishman, Sharon, girl  
 Mr. & Mrs. Herman Kerr, Mansfield, girl  
 Mr. & Mrs. Theodore Kopelchek, Linhart, girl  
 Mr. & Mrs. William Kriebel, South Philadelphia, girl  
 Mr. & Mrs. Merle Kurtz, Mansfield, girl  
 Mr. & Mrs. Martin Lally, Sharon, boy  
 Mr. & Mrs. Carl Lemley, Canton, girl  
 Mr. & Mrs. W. G. Leonard, Sharon, boy  
 Mr. & Mrs. Al Lombardi, East Pittsburgh, girl  
 Mr. & Mrs. Paul Long, Linhart, girl  
 Mr. & Mrs. George Matkonick, Sharon, boy  
 Mr. & Mrs. Christopher Meckle, Buffalo M&R, boy  
 Mr. & Mrs. William Meyer, Mansfield, girl  
 Mr. & Mrs. Fred Mielnikowski, East Springfield, boy  
 Mr. & Mrs. Rene Morache, East Springfield, boy  
 Mr. & Mrs. John Musats, Canton, girl  
 Mr. & Mrs. Robert Myers, Mansfield, girl  
 Mr. & Mrs. Ralph Nickle, Linhart, boy  
 Mr. & Mrs. William Norris, Canton, girl  
 Mr. & Mrs. Robert Ray, Sharon, boy  
 Mr. & Mrs. Orville Rudolph, Sharon, girl  
 Mr. & Mrs. Nick Rudrick, Mansfield, girl  
 Mr. & Mrs. Joseph Schanken, Sunbury, boy  
 Mr. & Mrs. Walter Schliffka, Trafford, boy  
 Mr. & Mrs. Steve Sortinos, KDKA, girl  
 Mr. & Mrs. Lester Strohm, Printing Division, boy  
 Mr. & Mrs. Floyd Strohminger, Mansfield, boy  
 Mr. & Mrs. George Watson, South Philadelphia, girl  
 Mr. & Mrs. Theodore Wills, East Pittsburgh, boy  
 Mr. & Mrs. Carl Wilson, Sharon, girl  
 Mr. & Mrs. Henry Woodling, Sunbury, girl

### THE MIDDLE AISLE

#### CANTON

Katherine McEndorffer, D Building, and Richard Anderson

#### BLOOMFIELD

Marian Marker, Division 8980, and Arthur Chandler, United States Army  
 Mildred Perman, Division 8980, and Walter Bennett, United States Army  
 Marian Serio, General Accounting, and Corporal E. A. Martin  
 Mildred Smith, General Accounting, and Philip Volz, Division 8980  
 Virginia Stagg and Lieutenant Walter Sherwood

#### ELEVATOR COMPANY

John Keene and Margaret Westervelt

#### HEADQUARTERS

Jean Weinekauf, Technical Employment and Training, and Lieutenant Robert Spears

#### LIMA

LaDonna Backus, Department 64, and William Wolery  
 Dorothy Brillhart, Department 56, and Budd Loveridge, Department 56  
 William Counts, Department 72, and Blanche Wagner  
 Dortha Dickson, Department 64, and Glen Myers, Department 64  
 Kathryn Fay, Tabulating, and Vernon Harris  
 Ruth Mertz, Stock Control, and Harold Biederman  
 Frances Miller, Department 54, and Paul Rex, United States Army  
 Mildred Millsap, Department 57, and Rudolph Leatherman, Department 57  
 Rosemary Ramsdell, Department 57, and Clair Butturff, Training School  
 Mary Taylor, Department 54, and Robert Ziegenbush  
 Vivian Wilson, Department 54, and Roger Howe

#### LINHART

Edward Hepner, LW-20, and Celia Herman  
 William Hutchings, LW-20, and Marian Schaffer

#### LOUISVILLE

Betty Burton and Lieutenant John Lichtenfels  
 Margaret Myers and Private Harry Jenkins

#### MANSFIELD

Phyllis Bottomley, Central Stenographic, and Ensign William Herpich  
 Eleanor Brandt, Payroll, and Private Richard Stoughton  
 Mildred Leedy, Cost, and John Ramsey, Jr.  
 Rose McKown, E-27, and Philip Stehle, Stores  
 Majorie Myers, H-27, and Corporal Clyde Saunier  
 Doyle Simpson, E-36, and Mary Frederick

#### NEWARK

Helen Cicone, I-4, and Cosmo Mochugto  
 Margaret Jones, E-3, and Arthur Jones, C-3

#### SHARON

Dick Bell, Application Sales, and Winifred Folkwine  
 James Benninger, Works Engineers, and Opal Bosler  
 Shirlee Davis, Application Sales, and James Donald, Application Sales  
 Lottie Gladysz, A Building, and Pfc. Jimmie Yannessee  
 Barbara Gurtner, T-5, and Robert Smith  
 Gloria Zuban, Motor Group, and Charles Moon

#### SOUTH PHILADELPHIA

Katherine Barlow, Industrial Relations, and Vernon McComsey, Merchant Marine

#### RESEARCH

D. Bartlett and Barbara Hind  
 Edith Kennedy and Harold Johnson  
 B. P. Robertson and Elizabeth Gilliland

### WE RECORD WITH REGRET

\*William Aiton, East Pittsburgh  
 Carl A. Alkson, East Pittsburgh  
 \*Thomas S. Allston, East Pittsburgh  
 \*Bryan F. Ambrose, East Springfield  
 Herman Becker, Homewood  
 William O. Belding, East Pittsburgh  
 David H. Bowerman, Lima  
 \*Joseph Breikrentz, East Pittsburgh  
 \*Frank P. Brown, Cleveland  
 Peter Byrne, East Pittsburgh  
 †Alex Capezzuto, East Pittsburgh  
 John B. Case, South Philadelphia  
 \*Margaret Cashdollar, East Pittsburgh  
 Charles E. Chisholm, Sharon  
 \*William T. Clarke, East Springfield  
 \*Lewis Cottman, Mansfield  
 Joseph Czaplinsky, Bloomfield  
 \*William L. Cruikshank, East Springfield  
 Lena Davis, Bryant  
 Donald Dixon, WRS, Inc.  
 \*Elford L. Durgan, Bryant  
 Robert Fastep, East Pittsburgh  
 Michael Ffthimiou, East Pittsburgh  
 Thomas Fabyonic, East Pittsburgh  
 Arthur N. Fay, East Springfield  
 Andrew Ferko, East Pittsburgh  
 †Edward Filipenk, East Pittsburgh  
 John H. Fisher, Supply Company  
 \*John Forgie, East Pittsburgh  
 John Gallucci, South Philadelphia  
 Samuel J. Glenn, South Philadelphia  
 \*Charles Godsell, Nuttall  
 \*William M. Griffith, Mansfield  
 Edmund O. Grove, East Pittsburgh  
 Ferdinand Hagedorn, Mansfield  
 \*John Harloff, Attica  
 Claude C. Hilliard, South Philadelphia  
 \*Calvin H. Holloway, South Philadelphia  
 Carl V. Holman, Lima  
 \*Anson S. Jones, East Pittsburgh  
 \*Harry Kelly, East Pittsburgh  
 Carl C. King, East Springfield  
 Charles J. Kneib, South Philadelphia  
 Clyde Kowalka, Cleveland  
 \*Matthew Lawrence, East Pittsburgh  
 †Nick Magus, East Pittsburgh  
 \*Mato Malek, East Pittsburgh  
 Peter Maniccia, East Pittsburgh  
 Russell O. Maurnee, Mansfield  
 \*John Mayer, Newark  
 †Eva McConnell, East Pittsburgh  
 Harry D. McFeely, East Pittsburgh  
 \*Joseph G. Melsback, Bryant  
 \*Thomas E. Messenger, East Pittsburgh  
 Alain B. Miller, Central District  
 \*Frederick Mueller, Newark  
 Walter T. Munyon, Merchant Marine  
 \*Henry Nessler, East Pittsburgh  
 Robert D. Neumeir, Lima  
 Thomas Pentimall, South Philadelphia  
 \*Joseph L. Poujoules, East Pittsburgh  
 Salvatore P. Privitera, Buffalo M&R  
 Duggu Ramn, South Philadelphia  
 Grover C. Richards, South Philadelphia  
 Howard L. Richardson, South Philadelphia  
 Alfred A. Reilly, Jr., Bloomfield  
 Walter Schafeld, East Pittsburgh  
 \*Robert Shearer, East Pittsburgh  
 John E. Sweeney, Supply Company  
 Walter S. Taylor, Mansfield  
 Robson G. Thomson, East Pittsburgh  
 Lillian M. White, East Pittsburgh  
 \*Ludwik Wiczorkowski, East Pittsburgh  
 Philip B. Young, South Philadelphia  
 Joe Zigarovich, Trafford

\*Annuitant  
 †Disability



# LEST WE FORGET

*These military casualty reports concerning Company employes have been received since the first of the year.*

## **KILLED IN ACTION**

FRANK E. BOUDREAU, Steam Division, was killed when his plane crashed in the Atlas Mountains of North Africa.

STANLEY J. DOMBROWSKI, Steam Division, an Army Private, was killed in action in Italy.

WILLIAM GALLETLEY, Bloomfield, a Private First Class in the Coast Artillery, died of wounds received in the invasion of Sicily.

LAWRENCE B. HOVELAND, Seattle, who enlisted the day after Pearl Harbor, and became a First Lieutenant in the Army Air Corps, failed to return from a raid over Kassel, Germany, on July 30.

ERROL M. JACOBS, Steam Division, an Army Private, was lost when the transport carrying him overseas was sunk off the coast of North Africa in September.

JAMES KENNEDY, Lima, an Army Master Sergeant, was killed on Bougainville Island on November 16.

GEORGE J. SIEB, Newark, an Infantry Private, was killed in action in Italy on Christmas Day.

JAMES E. SISSONS, Steam Division, Army Private First Class, died September 23 of wounds received in the African Area.

NICHOLAS P. WAGNER, of Madison Wesco, an Air Corps Lieutenant, was lost over Rangoon, Burma, on November 27. He was bombardier on a B-24.

## **KILLED IN TRAINING**

RICHARD G. HALLIS, Cleveland, an Army Sergeant, was killed in a truck accident while returning to his base camp at Monroe, Louisiana.

HARRY W. SCHRADER, JR., Steam Division, an Army Lieutenant, was killed when his plane crashed at the Newport (Arkansas) Airfield on October 27. Lieutenant Schrader was a flight instructor.

CALVIN H. SMEDLEY, Steam Division, an Army Lieutenant, was killed in an accident in Oregon when the jeep in which he was riding collided with another car.

WILLIAM E. STIVERS, Louisville, an Aviation Cadet, was killed when his plane crashed after a take-off at the Coffeyville (Kansas) Army Air Field on New Year's Day.

## **DIED IN SERVICE**

GEORGE A. ASPEN, Steam Division, an Army Master Sergeant, died at Fort Meade March 19.

HARRY A. BASHER, JR., Sharon, a Private in a special combat battalion of Military Police, died in Burma on December 23.

JOHN J. POLUMBO, JR., East Springfield, died in Italy on January 3.

LLOYD D. SURPLUS, Steam Division, a United States Navy Apprentice Seaman, died on November 25 at Sampson Naval Training Station after an illness of one day.

## **MISSING IN ACTION**

VIRGIL J. ALBRIGHT, JR., Nuttall Works, was a Navy Radio Operator aboard the submarine *Dorado* which, the Navy Department has reported, is "long overdue and must be considered lost."

ANDREW J. KOKOSKA, Steam Division, a member of the Merchant Marine, has been missing since his ship was torpedoed last March.

THOMAS L. MACLEAN, East Pittsburgh, of the Coast Guard, has been missing in the North Pacific since September 20.

GEORGE E. SENSION, Steam Division, a Navy gunner, has been missing since March 17, when his ship was torpedoed and sunk.

## **PRISONER OF WAR**

WALTER J. LAZARZ, East Springfield, a Technical Sergeant serving as a radioman and gunner on a Flying Fortress, is reported to be a German prisoner following a bombing mission over the North Sea.



# THE SWORD IS IN YOUR HAND

Through our curses and tears, as we heard the first reports of the Jap atrocities against the heroes of Bataan, all of us wished for a powerful weapon with which we could take revenge. . .

○ ○ ○

You DO have a sword in your hand. It isn't a tempered-steel blade with razor-sharp edges, but it is a weapon you can use with telling effect against the enemy.

Your sword is the two-edged sword of home-front service and home-front sacrifice.

You wield that sword every hour you put your best effort into your job, and every time you think out a suggestion that will aid war production. You wield it each time you give your blood to the Red Cross and each time you buy a war bond.

You wield it with every effort you make to conserve food and to salvage waste metal, paper and kitchen fats. You wield it each time you say "No!" to black markets, and you wield it each time you write an encouraging letter to that boy in service.

○ ○ ○

The sword is in your hand. But no one except yourself will command you to use it.

