

THE

SCINTILLATOR

Published for the Employees of

SCINTILLA MAGNETO DIVISION, BENDIX AVIATION CORPORATION

VOL. I, NO. 14



JUNE, 1943



HERO OF 83-DAY RAFT VOYAGE VISITS SCINTILLA

Including Scintilla in his schedule of war plant visitations, Basil Dominic Izzi, S 2/C, spent Friday, June 4th, visiting our plant and describing his harrowing experiences following the torpedoing of his ship.

Seaman Izzi personifies the fighting spirit of our armed forces. The odds were entirely against his existence, but a combination of sheer courage, skill and a percentage of luck enabled him to come out on top . . . and today he is ready to go back for another crack at the Axis.

Ensign Robert M. Mallet, from the Office of Under-Secretary of the Navy, accompanied Seaman Izzi to Scintilla and took an active part in the visitation. Scintilla's Labor-Management Committee was in charge of arrangements and sponsored the affair.

Original schedule called for Izzi and Ensign Mallett to appear on all three shifts, but a sudden change in their itinerary made it impossible to carry out the plan. In addition to speaking in the cafeteria, touring the plant and Lewis Building in Sidney, they also visited two plants of the Oneonta Mfg. Company, sub-contractors of Scintilla.

In all of his several appearances here, Seaman Izzi urged our workers to keep the supply of vital war materials flowing in a never-ending stream to the men on the Allied battle fronts. Seaman Izzi and Ensign Mallett both displayed keen interest in the "Back Up Our Battleskies" program now under way at Scintilla, and expressed their appreciation for the many signed pledges backing up the members of our armed forces.

Incidentally Ensign Mallet is the composer of a song, "Soldiers of Production," now being featured on a radio program, and also used extensively in transcriptions prepared by the War Production Board. The story of Seaman Izzi's 83 days on a raft will soon be available in book form.

Although you have undoubtedly read of Izzi's epic voyage, you may want to brush up on the facts of the case, so we present it again as prepared by the Industrial Incentive Division, Navy Department:

"When Seaman second class Basil Dominic Izzi was fished out of the Atlantic Ocean on January 24, 1943, he had set what is believed to be an all-time world record by floating on a life raft for eighty-three days. By comparison, the three heroes of 'The Raft' were adrift a mere 34 days and Captain Rickenbacker, 21 days.

"The long ordeal began on November 2, 1942, with the torpedoing of the United Nations merchant ship on which Izzi was serving as part of the American gun crew. The ship did not go down immediately and the gun crew quickly manned their battle stations, scanning the sea for the U-boat. Then the second torpedo followed at once and the crew were forced to abandon ship without a shot having been fired.

"Izzi came to the surface surrounded by wreckage and grabbed one of the bamboo mats which were used for lifesaving purposes. For two nights and a day he bobbed up and down on the ocean, growing ever hungrier and more anxious. His water-logged clothing became so heavy that he discarded everything but a shirt, shorts and a life belt, a move he was to later regret. During the night he could hear the screams of men whose arms and legs were being bitten off by sharks, but at dawn the second day when he spotted a life raft not far away, he swam over to it risking the chance that the motion of his legs might attract the sharks.

(continued on page 5)



"THE TERRIFIC THREE" . . . F. 3/C Harold Alford (43-33), S. 2/C Charles Alford (49-32) and S. 2/C Robert Pender (42-36) went through "boot" training together. They are now separated, each attending a different training school.

Shoe Ration Note

Since coupon No. 18 in Ration Book I became valid for shoes on June 16th, rationing boards have been directed to discontinue the issuance of special shoe coupons. It is understood that coupon 18 will be used to purchase work shoes. No extra coupons can be issued at present except in cases of extreme hardship.

Scintilla Branch Opens at Norwich

In a move to facilitate and coordinate handling of spare parts Scintilla, on June 1st, opened a branch in Norwich, N. Y. With the increased tempo of the war effort has come a stepped-up demand for spare parts which are recognized, both by Scintilla and the government, as of paramount importance in our war program.

Under this new arrangement, all spare parts will be stocked, inspected and shipped direct from the Norwich Branch.

Alvin W. Newton has been named Manager of the Norwich Branch. An efficient Stock Room organization has been set up, headed by Robert Wharton, General Foreman, ably assisted by Foremen Larry O'Brien, John Quinlivan and Percy Terpenning. Army Inspection is directed by Robert Wise, and George Hall is Navy Inspector. Scintilla Inspection is headed by Wilbur Dickinson. Leonard Williams is in charge of Billing. Jack Somerville heads the Shipping Department, assisted by Clarence Hebbard.

Miss Van Name, J. T. Lansing Wed

A June wedding occurred at 1:30 Saturday afternoon, June 12th, in the Methodist Church at Sidney, when Miss V. Charlotte Van Name, daughter of Mr. and Mrs. E. M. Van Name was married to J. Twitchell Lansing, who is associated with the Engineering Department of Scintilla Magneto Division. Ceremony was performed by the Rev. Roy T. Henwood.

Organ music was played by Mrs. Roy T. Henwood. Altar decorations consisted of garden flowers and palms. Ensign Ellen L. Bradley, U. S. N. R., was the maid of honor. R. P. Lansing, brother of the groom, was his best man.

Mr. and Mrs. Lansing are residing on West Main St., Sidney.

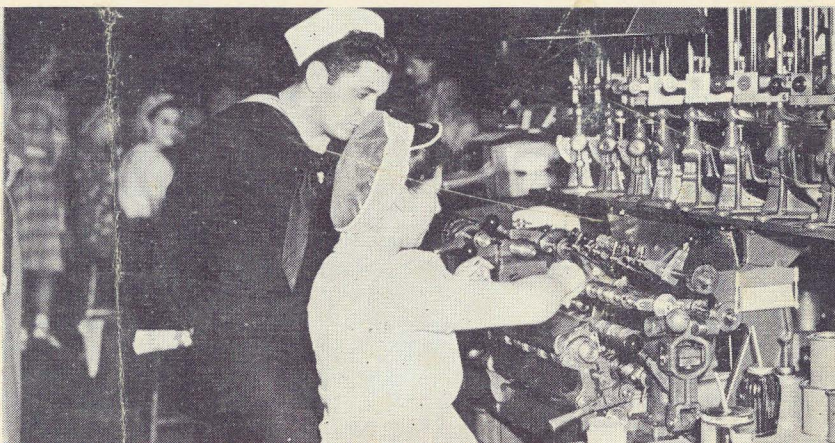
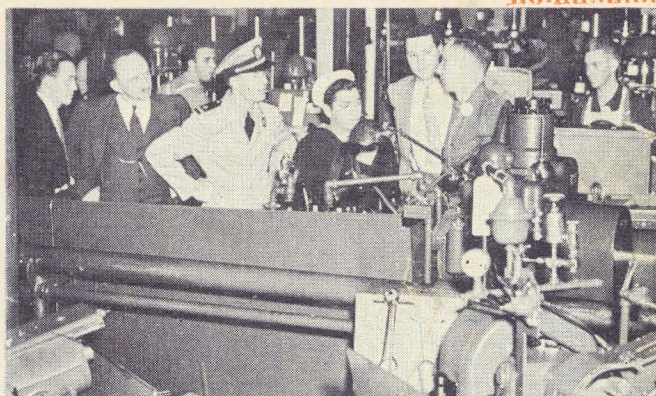
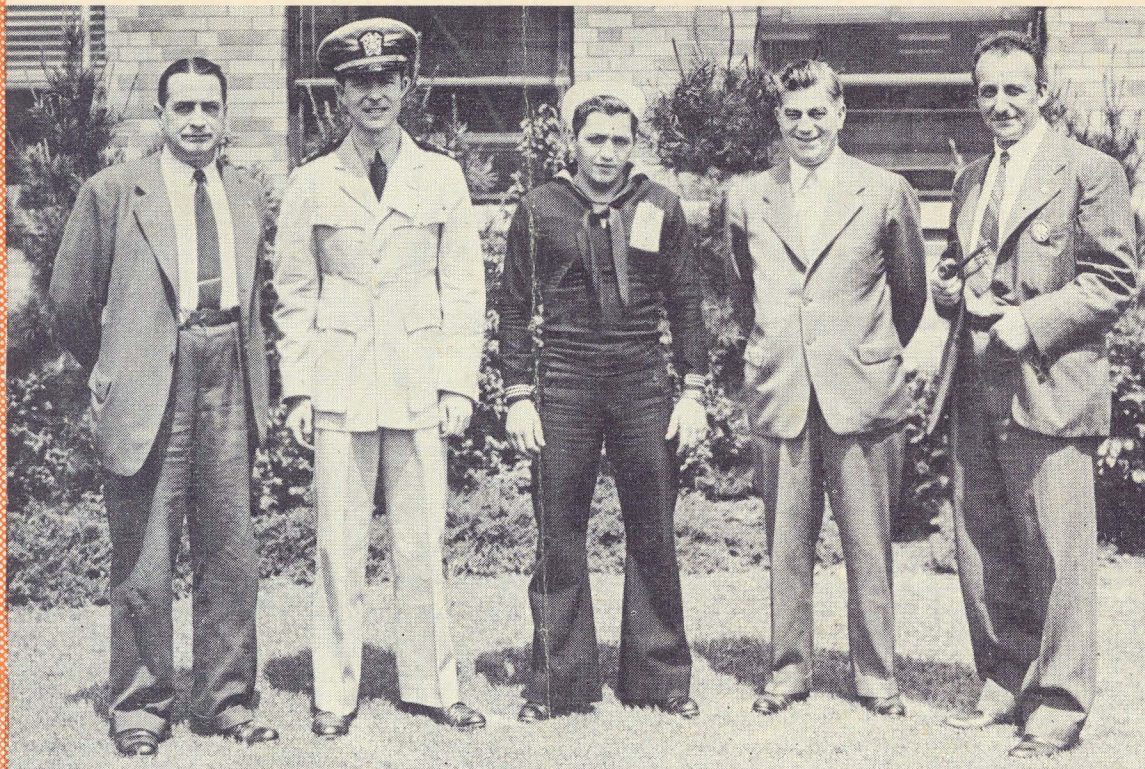
Bicycles Now Available

Under recent amendments, bicycles are now available to any person who needs one for traveling to and from work. Many of the previous restrictions have been cancelled, and it is now possible to grant certificates to Scintilla workers residing in Sidney village, and who would like to acquire a bicycle to ride to work.

Martha Dwyer, Registered Nurse, joined the Medical Bureau Staff on June 14th. Miss Dwyer is a graduate of the Syracuse General Hospital School of Nursing, and brings to her new position a background of valuable experience.

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TOP, l. to r.—Scintilla executives welcome hero of 83 days on raft . . . H. Honni, General Manager; Ensign Robert M. Mallett, from Office of Under-Secretary of Navy; Seaman Izzi; C. J. Brennan, Assistant General Manager; G. E. Steiner, Comptroller. SECOND ROW, left—Seaman Izzi, Ensign Mallett and Labor-Management Member Joe Bazofo relax in the cafeteria. Right—Izzi and Mallett stop for a brief chat with John Buyce in Dept. 17. THIRD ROW, left—Chief Inspector "Fritz" Scheidegger meets Izzi and Ensign Mallett. Right—Izzi stops to view operations performed by Irene Atkin, 23-720. LEFT CIRCLE—Ensign Mallett interviews Izzi in the cafeteria. RIGHT CIRCLE—Veronica Mertz, Dept. 23, apparently is enjoying her meeting with Seaman Izzi.



Back Up Our Battleskies!

The initial response to the "Back Up Our Battleskies" campaign has been most gratifying. "Production Soldier" pins are very much in evidence throughout our organization, and as we go to press a few pledges are still coming in.

The underlying motive of the program to "Back Up Our Battleskies" is a desire on the part of your Labor-Management Committee to lend our fullest support to the men who are on the battlefronts, as well as in the battleskies. As stated in the pledge to our Armed Forces, each employee who signs, pledges that "I will do my best with my time, my tools, my skill and my dollars to provide you, in quality and quantity, the support in the air that your spirit and bravery have already proved you so richly and rightly deserve." The fact that so many signed pledges have been received is sound proof that the employees of Scintilla heartily subscribe to these thoughts.

But merely signing the pledge and wearing the "Production Soldier" pin is not sufficient. *Only by fullest observance of the principles embodied in the pledge may we provide the assistance so vital to our Armed Forces.* They're depending on us . . . without our help they cannot do the job they've set out to do.

EARN YOUR SILVER WINGS!

Effective as of June 1st, 1943, "Production Soldiers" have an opportunity, by meeting established qualifications, to earn the "100% Production Soldier" Silver Wings Pin to be awarded at the end of six months. Although each pledge signer has already received a list of the necessary qualifications, we are repeating them here so everyone may be fully informed as to their nature.

How to Become a "100% Production Soldier"

1. An attendance record of 98%, or better, for six months, starting June 1, 1943. Absences due to injury or illness will not be counted if certified by a doctor's certificate. This qualification is basic. No one can become a "100% Production Soldier" without first meeting this requirement.

2. In addition to Qualification 1 (above), a combination of 100 points must be obtained by achieving any of the following accomplishments which will be accredited, as follows, to total 100 points:

a. 100% attendance, not counting absences due to illness or injury certified by a doctor's certificate 40 POINTS

or

b. 100% perfect attendance during the six months period without absence of any kind 60 POINTS

c. The purchase of War Bonds on the Payroll Deduction Plan during the six months period 40 POINTS

or

d. The purchase of War Bonds on the Payroll Deduction Plan during the six months period to the extent of 10% or more of pay 60 POINTS

e. Certificate or other evidence that you are a blood donor and have donated blood during the six months period 20 POINTS

f. The submission of a suggestion which has been accepted and rewarded by the Suggestion Committee 40 POINTS

g. The Labor-Management Award of Individual Production Merit for a suggestion ADDITIONAL 40 POINTS

Your Labor-Management Committee

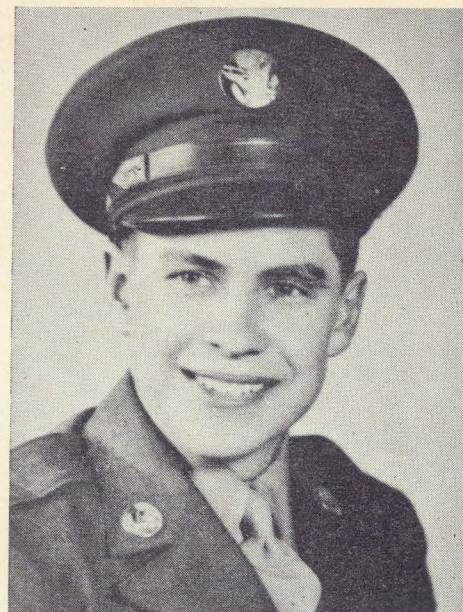
Anonymous Suggestion

Well, we finally got our benches. They are not luxurious, but will serve the purpose. If they had soft seats, a back rest and foot stool we would become softies.

Now that we have these benches, let's put them to good use. We haven't yet been told to Keep Off the Grass, so let's conduct ourselves in such a manner that the Man-

agement won't have to put up signs telling us what not to do.

We now have a good place to rest, eat and look at the parade. Let's have teamwork and take care of what we now have . . . keep them in good condition. Let's not carve our initials, etc. on the benches. Let's see if we can do the almost impossible!



FORMERLY EMPLOYED on Line 59 Pfc. Terrell Swingle is now attending an Electric Welding School in Massachusetts. Since entering the Army on February 2nd, he has been a member of the Engineer Amphibian Command, and has been graduated as a Commando.

FOR RENT BY THE WEEK—Cottage at Oquaga Lake, with running spring water, electricity, gas, fireplace wood, boat and tackle furnished. Easily reached from Deposit Bus. S. W. Scutt (22-66) . . . 5 A.M.-4 P.M. Shift.

FOR RENT BY WEEK—Six-room furnished apartment at Oquaga Lake. Garage, boat or canoe, and all conveniences. See W. E. Dickinson, (8-51) or address at Oquaga Lake, Deposit, N. Y.

FOR SALE—Well broken saddle horses and equipment. For further information inquire of Mrs. H. McIntosh, (43-47), First Shift.

WILL SELL OR TRADE for small motor or boat: 4-cylinder Super Elto 17½ H.P. Also will sell or trade Thompson Hydroplane and male Irish Setter, 1½ years old, with registration papers. Richard Stafford (16-100), 7-3 Shift.

FOR SALE OR SWAP—Electric Outboard Motor, Firestone "Kingfisher," with Goodrich Cathanode Battery. Will sell or trade for gasoline outboard or bicycle. Bob Davis (11-185), 7-3 Shift.

WANTED TO BUY—Used books of any kind. Patrolman R. L. Cook (33-51), Morning Shift.

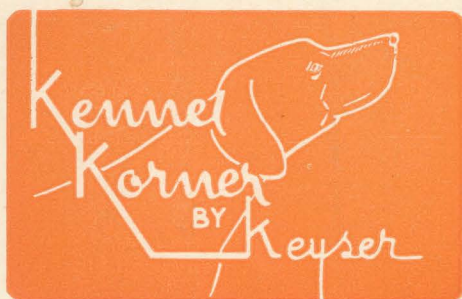
WANTED TO BUY OR TRADE—4 or 6 Cylinder Vertex Magneto. Robert Stafford (23-175), 7-3 Shift in Dept. 34.

WANTED—Accumulations or collections of current and obsolete Postage Stamps. Will purchase outright or exchange. R. McPherson, Sales Dept.

LOST—Ben Rus Wrist Watch, 21 Jewel, 24 kt. natural gold with expansion bracelet. Owner can identify. If found, please return to Ira T. Reynolds, Dept. 16.

FOUND—An Oldsmobile Hub Cap. Inquire of Clerk in Tool Room Office.

LOST—Ladies' Ben Rus, yellow gold wrist watch. Reward. Return to Flora Sullivan (39-149).



On the evening of June 2nd, 250 day-old pheasants arrived from the Delmar State Hatchery, via the D. & H. R.R., addressed to the Sidney Amateur Field Trial Club.

Henry Pardee and Arthur Kasson met them upon their arrival and rushed them to their new home . . . a properly heated brooder house. Food and fresh, clean water was ready for them . . . and they were really hungry after their trip.

At this writing, 10 days have passed and these little birds' wings are nearly completely feathered out. Their general appearance and actions are excellent.

Our Scintilla Photographer, Norm Meagley, was requisitioned to take a picture of the flock, and on this page are two of the several pictures taken the day your writer and Mr. Meagley made the trip.

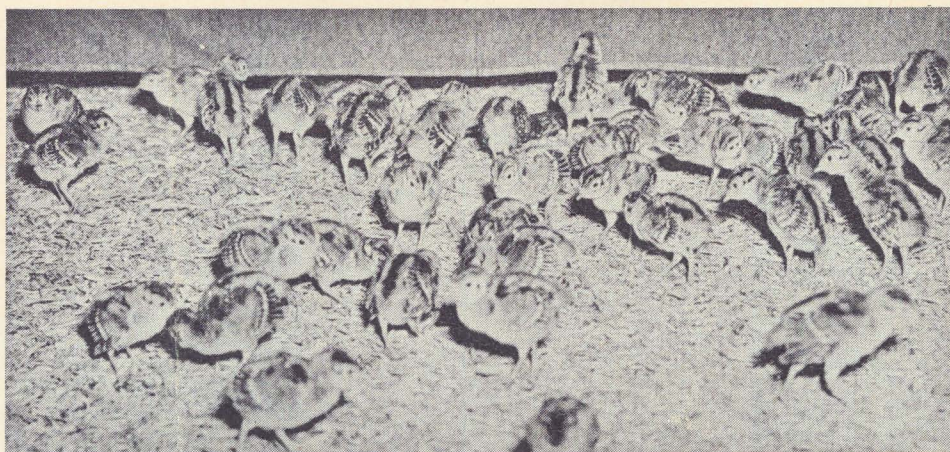
We expect that by the time this gets to the reader, an additional 400 birds of about the same age as these pheasants will be on the way to Sidney, or already delivered.

As an added point of interest, membership in the Club has increased to over 100 members. The form provided below is for anyone interested in joining the Club to fill out and forward to any of the following members: Frank Woodruff, Reginald Decker, Arthur Kasson, Henry Pardee, K. V. Campbell, James Smith, James Kelley, or your writer.

Name
Address
Dept.



PVT. STANLEY R. BROWN (21-55), formerly known as "Moe" to his Scintilla pals, is undergoing Commando Training in Tenn.



BALLS OF FLUFF now, but destined to blossom out in a gorgeous array of plumage are these pheasant chicks, part of the 250 recently acquired by the Sidney Amateur Field Trial Club.

Seaman Izzi (from page 2)

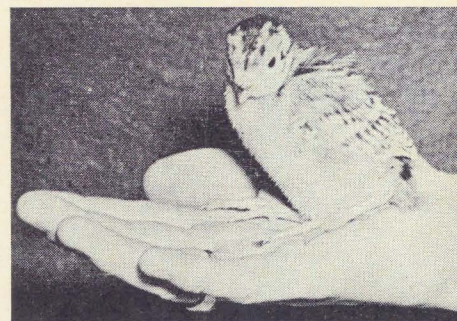
"Four men were on the raft to welcome him. Ensign James Maddox, Izzi's gunnery officer, pulled him aboard with a grin and simultaneously they greeted each other with 'where the hell have you been?' Sailor George Beasely was there too. He had been a passenger aboard Izzi's merchant ship by virtue of having been rescued from the sea as a victim of a previous torpedoing. The other two were Dutch crew members; Cornelius van der Slot, at thirty-seven the 'old man' of the quintet, and seventeen year old Nick Hoogendam.

"Their raft consisted of a wooden platform about eight feet by nine. It was floated by a steel water-tight drum under either end and had a canvas cover the size of the deck. Aboard the raft were matches, flares, and provisions consisting of a can of chocolate, several dozen crackers, nine cans of condensed milk and ten gallons of water. All in all, it seemed like a well-stocked home for what they fondly believed would be the day or two on the water before they were picked up. Indeed, they were so confident that when the crackers turned out to be dry and made them thirsty, they fed several to the gulls and fish. Weeks later they were to regret every crumb they had tossed away.

"Food rations lasted 16 days. While they could, the men ate three meals a day. Breakfast consisted of two ounces of water with a squirt of condensed milk. Lunch was the same as breakfast with a cracker added. Dinner included milk, water, the cracker, and a thumbnail sliver of chocolate.

"On the 24th day the water ran out. For three days the men went thirsty, then the first rain of the trip relieved them. Four of them held the canvas covers to make a trough while the fifth filled a container for drinking water. After that they were never without water for more than a few days at a time.

"Our pioneer forefathers were never more industrious in hunting their food from the forest than were these voyagers in foraging from the sea. Tiny herring, which the men called 'sardines,' sought



CLOSE-UP OF pheasant chick peacefully studying the camera from a vantage point on Bob Keyser's hand. Note size of chick as compared to hand.

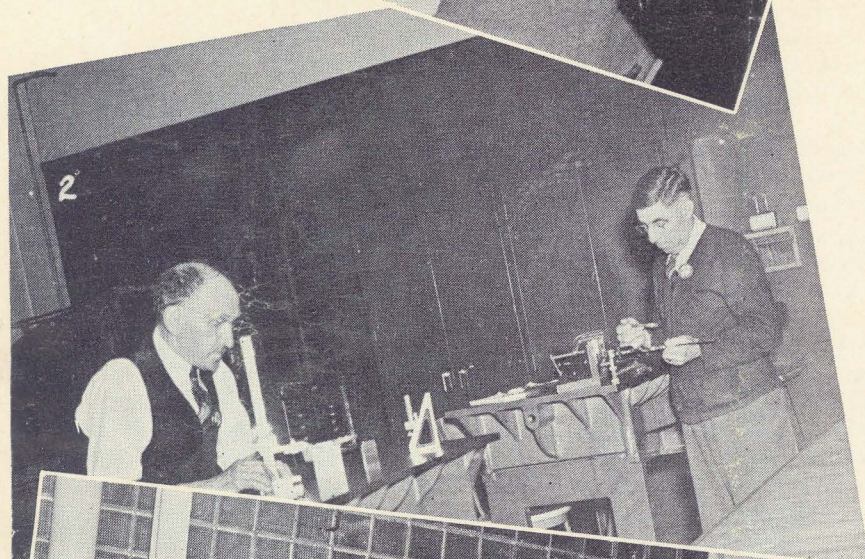
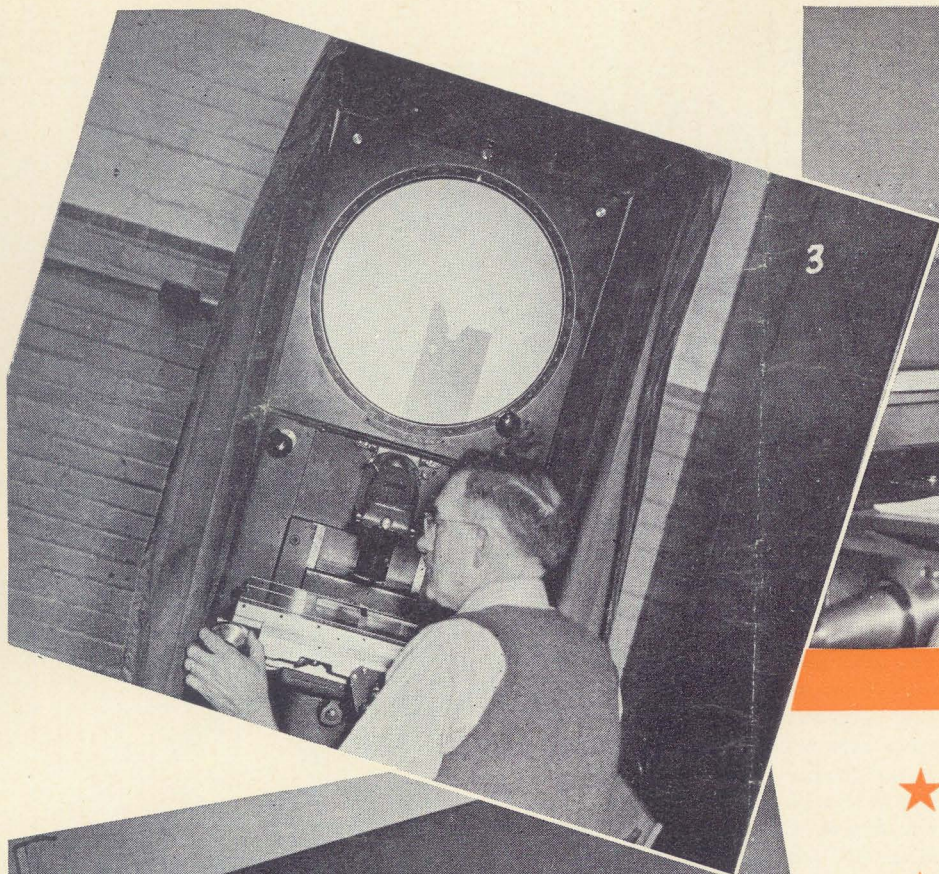
the underside of the raft as protection against sharks and these herring were scooped up by hand by the hungry men. Some of the men bit off the heads and tails, but Izzi swallowed them whole. It reminded him of the craze for swallowing goldfish that swept the colleges several years ago.

"Twice they caught sharks in ingenious fashion! They lifted a trap door in the center of the raft, lowered a noose of rope, and then dangled their bare toes in the water. When the shark came up to investigate the gleam of white, they tightened the noose about him and hauled him aboard. The first shark was about four feet long but only the heart and liver proved to be good eating.

"Occasionally they relieved their fish diet with birds which settled on the canvas and were easily caught. They were the size of a crow, black, and delicious when skinned.

"On the 20th day they had their first false hope of rescue. They spotted a small plume of smoke and a mast. They shot off four of their five flares, hoping against hope that they might be seen. They waved their faded flag frantically. But after an hour of tantalizing nearness, the mast faded away. The following day another ship was seen even farther away. However, this was encouraging to the men as they figured they were drifting into a sea lane where other ships would soon be

(continued on page 11)



★ PHOTOS ON THESE PAGES present various Tool Inspection
 R.: Everett Taylor checking Drill Jig with a Dividing Head
 Bill Mangs setting Height Gage with Indicator to check Mol
 Jim Campbell checking a Drill Jig set-up on Angle Plate; ri
 Gage after checking a dime
 NO. 3—Art Wells measuring a flat form tool, magnified 10
 reproduction of the tool is clearly shown on the 18-inch gr
 print with Chief Tool Inspector Roland L. Barratt. Bill is or
 Departm
 NO. 5—Victor Pearsall taking a reading on a Wilson Rockw
 Thread Hob. No. 6—Al Barnes checking a working set of G
 tor, which reads to five-millionths of an inch on a scale with
 watch and instrument maker, at his bench repairing a jewel
 Master Setting Gage on

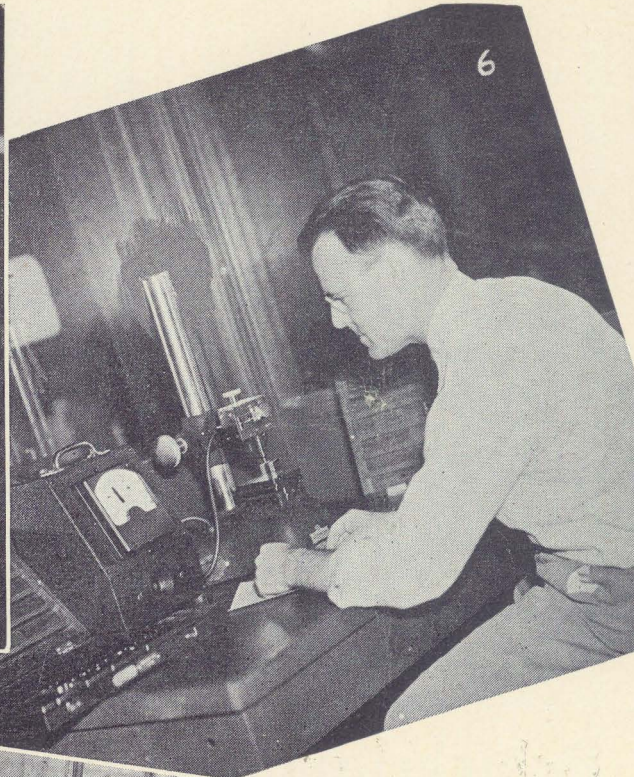
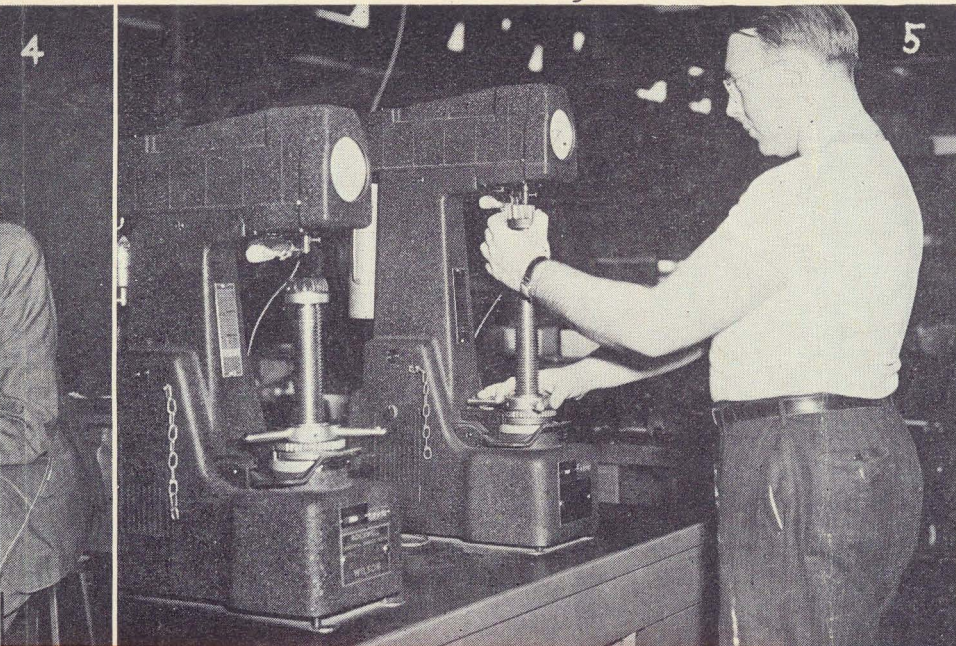


LINKS IN OUR P

DEPARTM

It was our original intention to tell the story of Department 12 in our "Production Chain" feature this month. However, because that Department is still in the process of reorganization following a move to a new location, we decided to skip them this month and let them take their bow in July. Which brings us to Dept. 13, Tool Inspection, for spotlighting in this issue.

The Tool Inspection Department, under the supervision of Chief Tool Inspector Roland L. Barratt, is a vital link in our production chain. Every gage, drill jig, or milling fixture and every tool for a special purpose or function must be inspected to close limits or tolerances, as the part manufactured or gaged must conform to specifications.



tion employees performing departmental duties. No. 1—L. to lead set-up; Eddie Stellmack checking a gage on Surface Plate; k Mold part set-up on a non-magnetic magna-sine. No. 2—Left, te; right, Bill Kennedy taking a reading on a Vernier Height dimension on a gage set-up. l 10 times, on a Bausch & Lomb Comparator. The magnified ch ground glass plate. No. 4—Left, Bill Mangs checks blue- is one of the old-timers in terms of service in Tool Inspection partment. Rockwell Hardness Testing Machine, checking the hardness of a of Gage Blocks on a Pratt & Whitney Electro-Limit Compara- e with 11,250 magnifications. No. 7—Charlie Walrath, our jeweled Indicating Gage. No. 8—Ed Stellmack measuring a e on a Gaertner Projector.



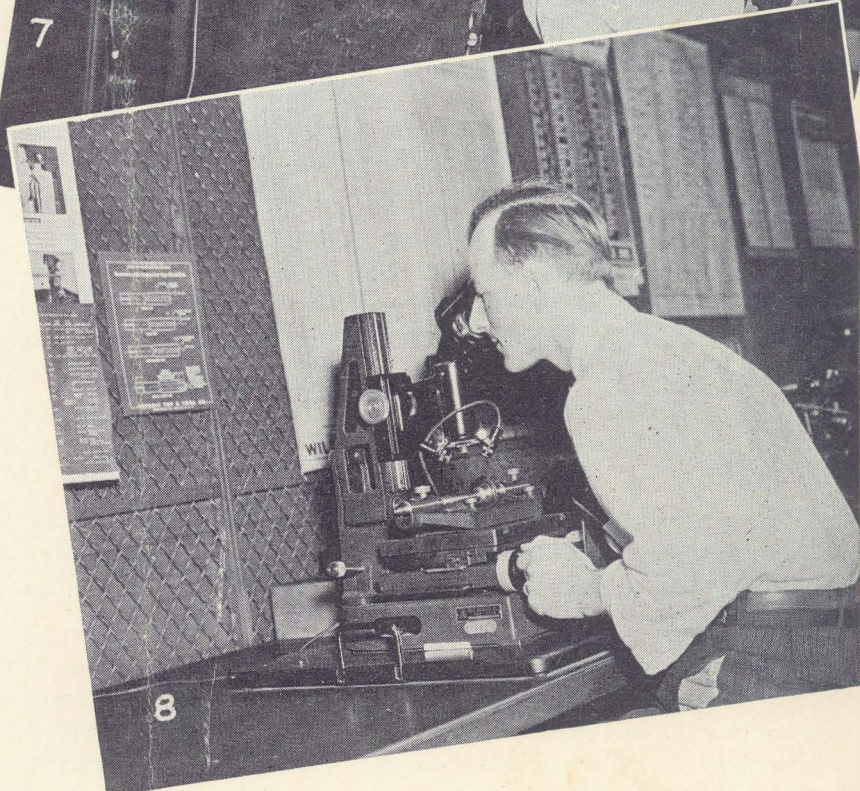
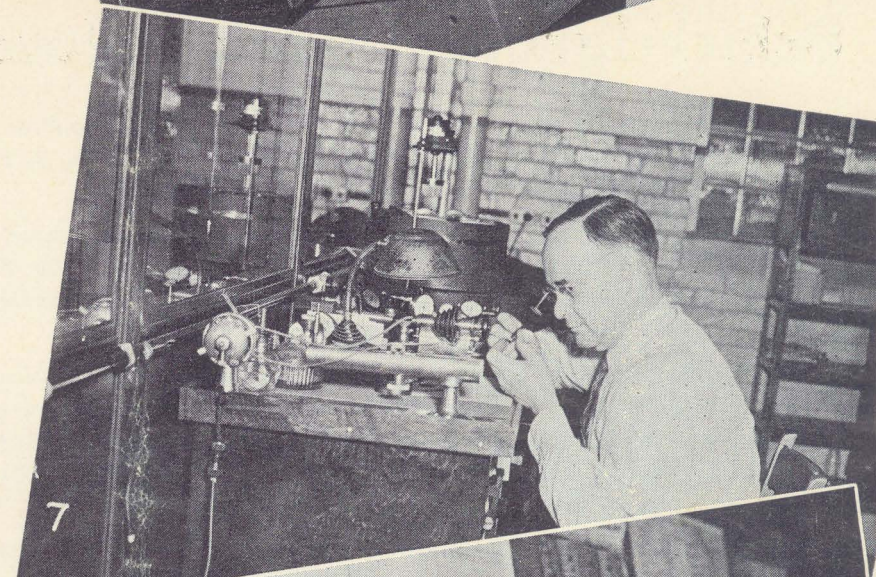
PRODUCTION CHAIN

MENT 13

It is impossible to make a part which will mate with a remote assembly unless its dimensions, and those of its mating parts in the remote assembly, are known. The part made in a jig or fixture must fit with exact nicety. In order to accomplish this, it is therefore most important that jigs, fixtures and gages be exact in dimensions at all times.

Our Tool Inspection Department is equipped with the most modern instruments and master gages. Inspection is performed in a room where a constant temperature of 68° F is maintained. Relative humidity, also an essential factor, is held at 45 to 50 per cent. When tools or gages are delivered to Tool Inspection, they are placed immediately on shelves and left there for a period to absorb

(continued on page 12)





Schickelgruber, Please Note!

The above photo is from a German book of propaganda published in 1938, printed in the French language, presumably for distribution in France and to French-speaking people throughout the world.

Caption with the photo is as follows: "Le Fuhrer et son architecte, Prof. Albert Speer, étudient les plans de la rénovation de Berlin" . . . "The Fuhrer and his architect, Prof. Albert Speer, studying plans for the renovation of Berlin."

Schickelgruber was full of big plans back in those days. Figuratively speaking, he had the world by the tail. Berlin was to be the capitol of the globe. The Nazis would be the chosen people. Yes, it was only fitting that Schickelgruber should see to it that dear old Berlin be dressed to play the leading role in world affairs.

Ah, Herr Hitler, it was a beautiful dream, wasn't it? But you forgot one thing Adolph. You forgot about the power of the "little people" of America . . . the men and women whose uniforms are work clothes . . . who carry the dinner pails . . . who believe in the right of Freedom and are willing to fight for that right.

But you're remembering them now, Adolph. Those bombs that are blasting holes in the very heart of your Reich were made by the "little people." Ask Rommel . . . he knows what the determined working men and women of America did to him. They gave him their answer in guns, planes, tanks, bombs.

Scintilla is full of "little people," Schickelgruber, and we have a one-track mind for the duration of this war. We intend to do our utmost toward erasing you and your lesser satellites, Benito and Hirohito, from the face of God's green earth!

You started this business, Schickelgruber, but we will have a big hand in its finish. For every Nazi plane that plummets crazily into the earth or sea we'll chalk up another big mark for the "little people" of Scintilla . . . for we had a hand in the job.

So carry on with your plans for the "renovation" of Berlin, Adolph. It will need plenty of "renovating" after the last bomb has been dropped on it . . . after Nazism has been stamped out by the "little people" who still think for themselves . . . by people like those of Scintilla who are working to "BACK UP OUR BATTLESKIES!" We are on the job, Adolph . . . we'll be on hand to help carry that final bomb over Berlin.

A Voice From "Down Under"

Several weeks ago, "Shine" (I-hand-out-the-towels) Grumento was surprised to receive a letter bearing an Australian postmark. It seems that sometime in the past, "Shine" had unthinkingly jotted down his name and address on a box that was finally used by our Shipping Department. The letter, reprinted below, is the result of his scribbling. Incidentally, "Shine" says that his unknown correspondent will soon receive a supply of cigarettes which some of the boys chipped in and bought.

Mervyn Suckling,
78 Greenacre Rd.,
Bankstown, N.S.W.,
Australia.
3/23/43

Dear Sir:

While unpacking a machine today I saw your name written on it. It ran "Shine Grumento, Walton, New York, U. S. A." So I thought I would like to write to you. I've never been to America but I would love to go. I read and hear a lot about the underworld.

We haven't had rain for about three months; all is dry. If you send me a packet of your cigarettes or tobacco, I will send you same. I am 16 years old, blue eyes, thin build, 5' 4" in height.

I am writing this letter from work, while the blokes are unpacking the machine that has just come in. Our tobacco out here is rationed, 2 oz. a week, and it's very hard to get it. The boss just came over and told me to hurry up. My father has just come back from New Guinea, and he had Black Malaria . . . lost his memory and got knocked out for 6 weeks with a 1500 lb. bomb.

I have 4 brothers and 3 sisters, and another on the way. I work at C.T.C. Industries, Ltd., Magneto Division. The Yanks out here do nothin' else but go for all the sheilas. A bloke can't get a fair go, strike me lucky!

I just won 5 quid in the lottery. Wish it had been a bloomin' 5,000 quid. I went to the flicks last night and saw "Ride 'Em Cowboy" and "Here Comes the Navy." I'll have to close now.

Yours faithfully,

M. Suckling.



"If it's your Monday morning stum-mick again, Mike Grogan, I'm a better man than you are."

HEADQUARTERS FIFTH NAVAL DISTRICT

Naval Operating Base
Norfolk, Virginia

Gentlemen:

Thank you for your generous gift of ten thousand (10,000) Chesterfield cigarettes which were received from the Liggett and Myers Tobacco Company, together with a letter stating that they were donated by you.

These cigarettes are being distributed to Forces Afloat and to personnel serving outside the continental limits of the United States. Those receiving the cigarettes will be notified as to the identity of the donor.

Please be assured that the gift and the thoughtfulness which prompted this action are sincerely appreciated by the men of the Navy.

Yours very truly,

C. F. GREENE,
Commander, U. S. N.,
District Welfare Officer.

Prospect

High over head in a once peaceful sky,
Roar the death dealing bombers and fighters, as
they go by.

Deep in an ocean once blue and serene,
Cradled in hatred lies the submarine.

While over the country side, in columns and ranks,
Rumbles the curse of all mankind—the treacherous
tanks.

Is this the world and life we love so well,
Or have we been judged and condemned to hell?

If freedom's so costly, please tell me why
You are not guilty and neither am I;

This thought is not given to cause an upset;
We'll keep on giving our best, you can bet,

Till the day through this world we all can go
As we did in the past; and our faith will grow

In the things we were taught in our churches and
schools,

Soon we'll forget these war minded fools . . .

Benito, Tojo and Adolph in their graves will lie
Beside our ocean serene, neath our peaceful sky.
Contributed



PVT. JOHN WENTSCH, formerly of Dept. 45, is enjoying Army life at one of Florida's hotels. He says, "We eat in the dining room of the hotel, but it's still 'Mess'."

Lieut. (JG) Anna Brown, U. S. Naval Nurses, was a recent visitor at Scintilla. She has seen service in the foreign field, and is now stationed temporarily at an East Coast Base.



TO Miss Irene Rutkowski (28-45) goes the honor of being Scintilla's first feminine operator of a shop truck. Our observation is that she turns in a very creditable performance. No cracks about lady driver's please!



PFC. FLOYD TUCKEY, prior to entering the Army last November, was employed in Dept. 17, and was a member of the Scintilla band. He is now stationed in Kentucky, with the Army Signal Corps.

S. 2/C LOUIS M. PITTET, former Dept. 11 employee, is at a Naval Training Station in Indiana where he is working to qualify as a Submarine Radio Operator.



CHAMPS OF THE Ladies Bowling League in Sidney are these maple crashers from Scintilla. The gals finished the season with 58 games won, taking first place by a margin of twelve. Members are, l. to r.—"Pepper" Mossman, Evelyn Bure, Irene Zieman, Lillian Bouvier (Captain), and Ruth Lee.





The SCINTILLATOR

Seaman Izzi (from page 5)

passing. But three weeks went by before another ship was seen and this one too, was too far off to see their signal. From then on, they saw nothing until they were finally rescued.

"The five men kept track of time for the first forty days by scratching notches in a paddle and after that they trusted to memory. Amazingly enough they were only a single day off in their calculations when picked up.

"Thanksgiving on the raft brought them a feast to relieve their hunger in the form of a bird the size of a chicken. Christmas offered no such banquet, but toward evening they decided that singing might help. So for fifteen minutes as the sun went down "Silent Night, Holy Night" echoed across the water as the five men thought of home and the usual Christmas festivities. New Year's day, too, was uneventful. Izzi's resolution for 1943 'was never to complain about food in the future.'

"On the 66th day George Beasley died. His resistance was less than the others for he had never completely recovered from his previous torpedoing. He had been complaining of pains in his stomach and couldn't keep food down. Towards evening of the previous day he had become incoherent and rambled on about people back home. The next morning they woke to find him cold and stiff. Ensign Maddox led them in prayers over the body before rolling it into the sea. 'I hope I'm not next' he murmured sadly as he watched it go.

"But Ensign Maddox was next. Shortly he, too, began to feel those stomach pains and from then on he failed rapidly. He began to go blind and couldn't hear. Izzi and his two Dutch companions did their best to keep him warm and dry, but he was too far gone. Each night he used to kiss the gold wedding ring on his left hand. 'She told me to bring it back to her,' he told the others. But he never did, for on the 77th morning he failed to wake up. Izzi removed the ring to return it to Mrs. Maddox. She has it today.

"Late in the afternoon of the 82nd day they spotted a plane ducking in and out of the clouds. The men waved feebly and even though they knew they had not been seen, their hopes soared, for they thought land must be close.

"The next morning the roar of an engine woke them. It was another plane flying very high. Next they saw a seaplane, then two more in the distance. Finally a mast appeared against the horizon, followed by the ship itself.

"The other two men held up van der Slot's legs while he tried to shout and wave. The ship seemed to disappear for a while and the men cursed and swore. They would have cried, but they were too tired for tears. Suddenly the ship appeared again, heading straight towards them. They realized they had been seen. They began to jabber incoherently, talk-

Teterboro Goes Back on Map

Teterboro, (Bendix), N. J.—Residents of this borough, formerly Bendix, N. J., have voted unanimously to restore the community's original name, Teterboro.

The locality's early corporate name was changed to Bendix in 1938, following establishment within the borough limits of the Eclipse—Pioneer division of Bendix Aviation Corporation. Since that time, according to borough officials, several other manufacturing firms established plants in the community, resulting in frequent confusion in the handling of mail and telephone calls to these various industries.

To correct this situation, the borough council and residents have confirmed, with the approval of the community's industries and taxpayers, the proposal to restore the name, "Teterboro." Located along U. S. and New Jersey highways No. 6 and 17, "Teterboro" is 4½ miles west of the George Washington Bridge and 1 mile southeast of Hackensack.

ing not to each other, but to the approaching ship. At 3:30 P.M. on January 24th Izzi left the raft and stepped aboard the rescuing P.C. boat.

No Staples

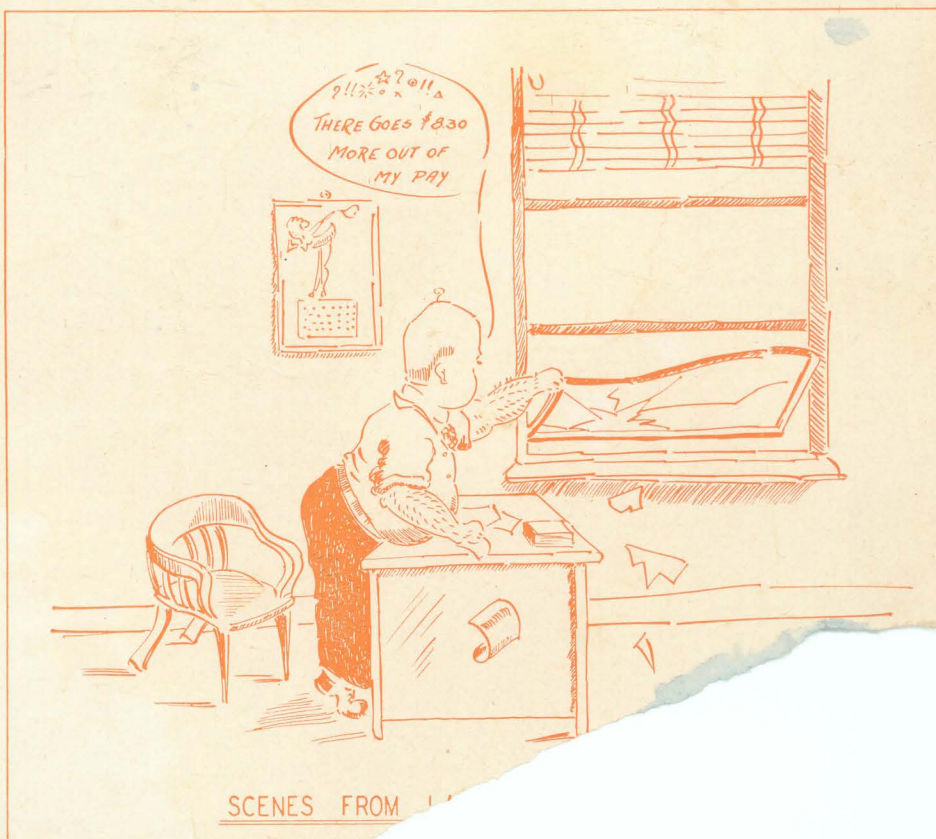
A new wartime ruling prohibits use of metal staples for binding publications of twelve pages or less. So until the war is over, all Scintillators of twelve pages or less, will not be stapled.



FORMERLY EMPLOYED in the Shipping Department Office Pfc. Otis Norton is now with the U. S. Army Signal Corps, stationed in Virginia.



HENRY J. CENZANO, former Dept. 39 employee, writes that he is back in the U. S. A. after a stretch of foreign service. He is a Naval Gunner on a Liberty ship.



SCENES FROM

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The Cover

Candid shot of incoming second shift workers . . . from all walks of life . . . streaming in from buses, trains and "group rider" automobiles to help "BACK UP OUR BATTLESKIES."

Advice from First Aid Dept.— "KEEP YOUR SHIRT ON"

"I wasn't in the sun but a few minutes"—"I didn't know the sun was so hot"—"I didn't know I was getting burned like this"—"I didn't know that a sunburn could be this serious"—Which is just what a severe sunburn is—SERIOUS. An extensive sunburn is just as serious as any other extensive burn—the tissues of your skin, are actually burned just as they would be from contact with a hot stove. This type of careless over-exposure to sun too often results in hospitalization for treatment not only of the burn itself, but for resulting complications as well.

Sunshine is a valuable health builder, but take it in small doses and work up gradually to an extended exposure. A really healthful sun bath is one which is started with a 10 minute exposure on each side the first day, and increased daily by five minutes (or less, depending on the texture of the individual's skin), until the maximum time desired has been reached.

Yes, it's fun fishing from a boat . . . and sure, it's fun working in your Victory garden . . . but "keep your shirt on."



PVT. LA VERNE L. ELLETT, (48-10) is now stationed at an Air Base in North Carolina.

regret. During the screams of men being bitten off by sharks the second day when he spotted the shark not far away, he swam over to it the chance that the motion of his legs might attract the sharks.

(continued on page 5)

SWAMPED by the overwhelming response of pledge signers in the BUOB Campaign. Here are the feminine members of the Personnel Department staff who assisted in sending out Production Soldier Pins to pledgees. Seated—Alice Clark and Barbara Sliter. Standing—Marijean Baldwin.



Tool Inspection (from page 7)

room temperature. When ready for inspection, the temperature of all allied parts and gages is then constant. If they are found correct as to specifications, they will fit any mating part or will have the same dimensions, even if re-inspected in another country or climate, providing that inspection is made under the same conditions . . . that is, in 68° F temperature.

As practically all jigs, fixtures and gages are made of steel it can be readily seen that they must be checked with a gage or gages having virtually the same coefficient of expansion, to make a complete comparison. It is in this sphere that gage blocks are used. Due to their very small range of error, they might be termed a "general purpose gage." They are constantly used by the Tool Inspector for checking other gages. The use of gage blocks in checking micrometer lead error, setting sine bars and comparators, gives the inspector positive assurance when duplicating dimensions.

Nearly all gage block applications require making up combinations, inasmuch as very few of the dimensions required will coincide exactly with the dimension of any single block. However, by combining two or more blocks, a variety of dimensions may be obtained. Research shows that a single gage block will expand about .000007" per inch of length with each degree rise in temperature.

The Tool Inspector is constantly called upon to check angular dimensions, in which work he makes use of the gage blocks and sine bar. The sine bar, which is simply a straight edge having a hardened and ground plug at each end, is made to form an angle with the surface plate by setting gage blocks under one of the plugs or a combination of lengths under each of them.

Use of the sine bar is a practical application of one of the basic rules of trigonometry, or the science of right triangles. Simply stated, this rule defines an angle of a right triangle in terms of the ratio of the opposite side to the hypotenuse. This ratio is called the sine of the angle.

In practice, the sine bar is the hypotenuse of a right triangle, and the stack of gage blocks is the side opposite. The sine of the angle is found by dividing the gage block dimension (or side opposite) by the length of the sine bar (or hypotenuse).

Since the manufactured part is no better than the tools that made it, it naturally follows that those who use the fixtures and gages should treat all tools with respect . . . especially now when they are so greatly needed in the war effort. Without them, production and the flow of finished parts to our battle lines will cease. Therefore, it is the personal responsibility of every person who uses tools in our plant to help prolong the life of those tools by proper care and handling. If the accuracy of a product is no greater than the accuracy and integrity of its inspector, by the same token a jig, fixture or gage is no better than the skill exerted by the individual performing the operation. By this, we mean that parts should be properly located in jigs and fixtures in order to obtain best results.

Comparators, devised to inspect or measure by optical projection the many forms that are difficult, or even impossible, to inspect by direct gaging, are used constantly by Tool Inspectors. They are utilized on irregular forms such as flat and circular form tools, hobs, gages, and almost every type of tool used in the plant. The image, magnified from 10 to 100 times, is thrown on a screen. Any irregularity of contour is quickly discovered visually by this method. Micrometer heads and dials then show the exact amount of error in tens of thousandths of an inch.

Tool Inspection also is responsible for the care and upkeep of all stop watches, dial gages and indicators. In this branch, watch and instrument makers are busy constantly, keeping these gaging instruments in desired condition to record proper variations.

Incidentally, Tool Inspection's Attendance Record for May was the best in the plant . . . with absences amounting to only 2.90%. At this writing, the Department has worked 22 days without an absence.