

Published for the Employees of

SCINTILLA MAGNETO DIVISION, BENDIX AVIATION CORPORATION

VOL. 2, NO. 1

\* \* \*

JULY, 1943



# EDITORIAL

Our cover this month presents a cross-section of the Scintilla men and women who help to "BACK UP OUR BATTLESKIES." The Scintilla workers shown in the group, and thousands more at Scintilla, have loved ones in this war. They are making many sacrifices, eagerly and willingly. They anxiously await the firing of the last shot that finally will send their boys back home again to live in peace.

"We regret to inform you" will be the opening words in an everincreasing number of letters and telegrams filtering into Scintilla homes in days to come. The price we pay for peace cannot be paid in toil and money alone. The blood of American youth, of young men who worked beside you on machine and bench, is being demanded to effect a final settlement with the powers of darkness that still threaten to envelop the earth.

By conscientiously following the spirit of our "Production Soldiers' Pledge," the men and women of Scintilla may give their loyal support to the men who have abandoned bench and machine . . . who have gone forth to preserve the ideals and rights of Americans.

This war is an "all out" war in every respect. It will be won by people who are willing to go "all out" in their efforts at home as well as on the battlefronts. The hell of war has not burst in full fury across the green fields of the American country-side . . . because America has been willing to meet the enemy in his own backyard.

But... as expressed in a now familiar term, IT CAN HAPPEN HERE. We, at Scintilla, have as much to lose as any other cross section of America. By doing our utmost to "BACK UP OUR BATTLESKIES," we can feel that we are doing our share... that we are not failing in the task before us.

Are YOU living up to your "Production Soldiers' Pledge" . . . are YOU doing YOUR part to bring the boys safely home?

The answer can be written only by YOU!



# "Scintilla Magnetos Are Dependable?"

Says Gilbertsville Bombardier

"I've never known of a Scintilla magneto's failing to deliver the goods on any plane I've ever flown in," said 1st Lt. James M. Moore, during a recent visit to Scintilla.

The Lieutenant is well qualified to judge the performance of our product, for he has ridden a B-17 Flying Fortress (Scintilla Magneto equipped) through approximately 375 hours of combat time, including both bombing and reconnaissance missions over enemy territory.

Lt. Moore is a bombardier-navigator, and he has seen plenty of action in many of the "hot spots" in the Pacific. He was at Hickam Field when the Japs attacked and in the Battle of Midway in June, '42. He has seen service in New Guinea and Australia. He was wounded twice in action in the Bismarck Sea Battle. He wears four decorations: the Silver Star, D.F.C., Airmen's Medal and the Purple Heart.

At the ripe old age of twenty-five, he has seen more of the world than most of us expect to see in a lifetime. And, at this writing, he is waiting for a new assignment that undoubtedly will give him another opportunity to drop a few tons of bombs into Axis laps.

#### Any Mail for Sergeant Loker?

June 12, 1943

Scintilla Magneto Division Bendix Aviation Corporation P. O. Box 188, Sidney, N. Y., U. S. A. Dear Sirs:

Today I received the January issue of THE SCINTILLATOR and am very happy for having received it, even though it is about six months late. In fact, I began to wonder why this issue of shop talk didn't put in an appearance. I expect this type of mail isn't as important as some of the products of the plant which are so vitally necessary to win this struggle, in which we are now engaged. I do enjoy reading this paper more than ever before and hope to receive more of them in the future.

My two brothers, Paul and Calvin, also my former working-mate, Bill Rosa, not to mention other friends, have been swell about writing me letters, telling me something that is going on in the plant. All indications in these letters point to a genuine effort in the manufacture of products, which are the nerve center of operations in the zone in which I am now stationed. My sincere best wishes to all other workers as well as to my former comrades—that their untiring efforts may continue.



PVT. DOMINICK J. CHILLETTI, who recently appeared in the Scintillator, is in again. This time he writes from a Service Unit in California. He was formerly employed in Dept. 7.

I was pleasantly surprised to meet another former Scintilla employee who is located in a group very near us. We had a nice visit about things which we used to do as little daily occurrences in our lives, back there in the plant.

There is just one thing I'd like more of here and that is more mail. Since American Newsprint seldom reaches us, we have to depend to a great extent on letters from the States. Local newspapers are so scarce that we nearly read the print right off the paper. The issues we get our hands on are from a week to a month old.

I think I have said enough this time so will sign off, with the best of good wishes to all.

As ever, Howard T. Loker

Editor's Note: Sgt. Loker's address may be obtained at the Personnel Office.

#### "S. S. S."

Does Personnel have yours? We refer to your "Selective Service Status," and again remind you of the importance of reporting ALL changes of classification at once. Drafting of fathers is, apparently, not far away and we must have a complete and accurate record in order to present our manpower needs to State Headquarters. Do we have YOU correctly listed?

# Scintillator Celebrates a Birthday

One year ago this month, Scintilla Magneto Division gave birth to a "baby" . . . THE SCINTILLATOR. In common with all other babies, we had to learn to creep before we could walk. But, we think the creeping period is now past history . . . we're ready to stand up on our hind legs and walk.

THE SCINTILLATOR was a war baby. It first saw the light of day a few months after America went to war. On this, its first birthday anniversary, America is still at war. What the second anniversary will bring, no one can predict. But we want to go on record as being strongly behind our war effort, until the last shot is fired and the Victory verdict rendered in favor of the Allied Nations. They're big words for a baby but we mean every word of 'em.

The editoral staff of the SCINTIL-LATOR agrees that a large share of the credit for our growth is due to the splendid cooperation of the men and women of the Scintilla whom we serve. You've been kind to us when we deserved a spanking.

Whenever we've asked your assistance on a job, you've come through in fine fashion. You've been patient with us when we blundered. Yes, and when occasion demanded it, you've taken a few cracks at us... just enough to keep us on our toes.

We're grateful to all of the employees who have contributed their time, talent, and ideas toward making the *Scintillator* a better publication. The list is so long that we can't attempt to list names, but we want you to know that your efforts in our behalf have been appreciated. Our fondest hopes are that you will continue to be interested in us, and that you will find time to keep the news coming in.

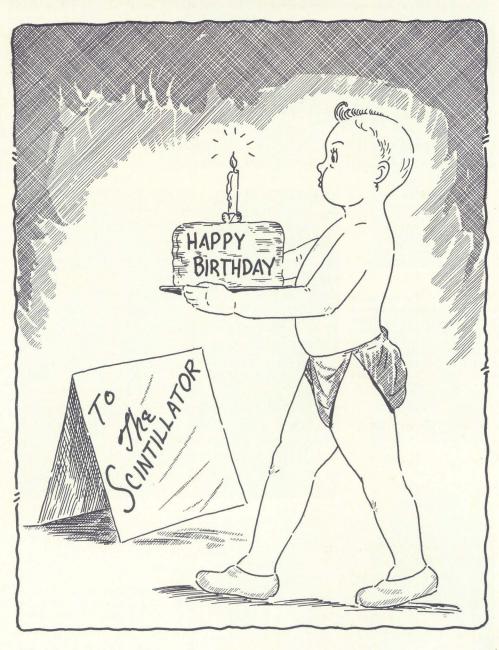
THE EDITORS





PVT. GEORGE A, BENNETT, formerly of Department 46, sends his greetings to the old gang (Third Shift), and would like to hear from them. He is now in a radio school at an Army Base in Texas.





# Important!

#### FILL IN AND RETURN ATTACHED QUESTIONNAIRE!

With this Scintillator is a four-page folder containing a questionnaire and personal message from Mr. Ernest R. Breech, President of Bendix Aviation Corporation.

It is very important that you complete the questionnaire and drop it in one of the Special Receiving Boxes when you come to work on Thursday, July 29th. Receiving Boxes will be located so you can easily see them when you come to work. Boxes will be left up a couple of days to accommodate employees who are unable to return Questionnaires on Thursday.

Remember . . . answer ALL of the questions. Do not sign your name or clock number. Completed questionnaires will not be examined at Scintilla. Boxes will be sealed and shipped directly to President Breech at Detroit.

Fill in Your Questionnaire Today!

**DON'T FORGET!** 





THIS GROUP OF five photos was taken about 1938 by Robert Wharton, then studying at the University of Heidelberg, Germany, and now employed at our branch in Norwich. Photo at left shows a group of Hit-ler's "Jugend" singing as they march through the streets of Heidelberg.







SYMBOLIC of the oppression common to Hitler's reign of terror in Europe is the Storm Trooper's hand shown in closeup in this photo. Hitler is shown in the leading car riding through the streets of Heidel-berg, celebrating the annexa-tion of Austria.







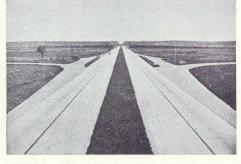


MOST APPROPRIATE for publication now that Hitler has lost his hold in Africa, is this photo a banner on a wall at the University of Heidelberg. It reads "Germany Needs Col-onies!"





BUS IN ABOVE PHOTO is one of fifty that toured Germany, carrying Nazi Fifth Columnists who had helped Hitler in the Austrian "Anschluss." The hotel appearing faintly in the background was where Mark Twain stopped and wrote part of his book, "A Tramp Abroad."



PORTION OF THE FAMOUS "autobahn," a German national highway patterned along the same general lines as the new highway completed several years ago in Pennsylvania. It eliminates all intersections.

## HOBBY . . . . . . COLUMN

R. L. Barratt

Mr. H. H. Friend recently contacted this column with an article on target shooting. We are going to pass it along. We shall be surprised if, after reading this, you do not all become "Annie Oakleys."

#### Target Shooting as a Hobby

H. H. Friend

Target shooting has several advantages in these days of shortages. Little or no gasoline is required for rural residents to go to a suitable range. The whole family can enjoy the fun. In spite of the fact that ammunition and guns are scarce, as well as high priced, I still recommend the sport. There are advantages in knowing how to shoot, how to handle a gun, and how to hit your mark.

Although these remarks are concerned with revolver shooting, most of them apply to rifle shooting as well. However, the usual large bore rifle is .30-06, the small bore rifle is .22 calibre as is the case of revolvers.

The best equipment for a beginner in the sport of revolver shooting is a single shot, 22 calibre target pistol, such as the Stevens tip-up model (about \$20), the Harrington and Richardson (\$30), a Smith and Wesson (\$30), or a Colt Camp Perry (\$40). All of these are scarce so you must start with what you can find. A beginner should start with the .22 calibre as it is easier on the pocketbook and makes less racket and recoil.

Make it simple at first, by either using a large bulls-eye comparable to the Army L target, or move near enough to keep all shots on the paper. This lends encouragement. As you improve, move back to the standard range. Targets may be set at 20 yards, 25 yards, or 50 yards. Keep track of your scores and note your improvement.

As you become more proficient you will want to take pains with standing, holding the gun, and breathing. All of these factors influence your score. You will become, finally, a real "gun bug" and can add your wife's name to the list of "shooting widows."

After you have really learned how to shoot a single shot pistol you may graduate to the revolver or automatic and take a fling at course shooting. This is where the men are separated from the boys, since much practice and experience is required to make a good, consistent score.

Course shooting is the most fun, especially when a whole group is going through the agony at the same time.

For course shooting in .22 calibre the semiautomatic is used, although a revolver is permissable. A .38 Special with six inch barrel and target sights is preferable for the larger bore course. The .22 is again easier for the beginner as well as being less expensive. Many shooting addicts graduate to the bigfellow class: they did not have enough fire crackers when they were children.

(continued on page 6)



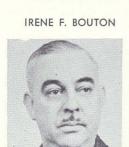
# LABOR - MANAGEMENT COMMITTEE COMPLETES FIRST YEAR



E. M. VAN NAME



JOSIAH JONES



HUGH G. HARRIS



JOHN B. KELLY

Labor-Management Committees are functioning in 2100 war plants at present, according to a recent announcement by the War Production Board. These committees represent a total of 4,556,150 war workers.

Virtually all Labor-Management Committee activities fall into a common pattern . . . that is, sponsorship of informational and morale building programs; suggestions; conservation of materials; transportation; absenteeism; care of tools and equipment; production problems; quality control; training programs; nutrition and health; recreation, and other allied subjects pertaining to mutual problems of labor and management.

Scintilla Magneto Division's Labor-Management Committee was organized July 14, 1942, with four representatives from labor and four from management constituting its membership. Looking back over their first year of operations, it can be said that their joint efforts have been most beneficial. Many of the problems presented to the committee have been solved speedily. Others of a more complicated nature have, necessarily, been longer on the table. But this much can be said . . . they are not dead issues. The Committee is fully cognizant of the job it has to do, and is sincere in its effort to aid the War Production Board.

E. M. Van Name, Personnel Manager, is chairman of the Committee, with Josiah Jones as Co-Chairman. Other Committee members are Irene Bouton, Gordon Harris, John Kelly, Joseph Bazata, Carl Lindenmeyr and Charlotte Losky.



C. E. LINDENMEYR



JOSEPH F. BAZATA



C. W. LOSKY

Thanks to the "Deposit Courier"

Now and then we are asked, "Who prints the SCINTILLATOR?" Since we are celebrating our first birthday anniversary, it seems to be the proper time to say a few words of appreciation to our printers . . . The Deposit Courier.

The Courier has been our good right hand since the beginning of the SCINTIL-LATOR. Bill Stow and his staff have been most cooperative in the "upbringing" of our publication. At the beginning of the SCINTILLATOR, when technical advice was needed, Bill pitched in and gave us the benefit of his many years of experience in the printing field. He and his crew have been on the job when we needed them, and have always managed to produce the goods despite the inroads of priorities and Selective Service.

Our thanks to the "Courier" for a job well done.

#### First Band Concert August 1st

Claire Brenner, Director of the Scintilla Band, announces that the first Concert by the band has been set for Sunday, August first. Program will be given at the band stand in the East Parking lot. Watch the bulletin boards for further details.

Mr. Brenner has asked us to announce also that the band still can use additional trumpets and both bass and snare drums. If you play any of these instruments, there's a place in the band. Get in touch with Mr. Brenner in Dept. 23, First Shift.

Despite the hot weather, a majority of the band members have been on hand regularly for rehearsals. Gasoline rationing and over-time work also have conspired against perfect attendance, but, many of the members have been very loyal, for which we are most grateful.

Don't forget . . . if you're a trumpeter or a drummer, join up without delay.

# Note to Former Scintilla Employees Now in Armed Forces of U. S.

Nearly every letter from former Scintilla employees, now in service, gives the *Scintillator* a boost. Apparently the boys enjoy receiving it, and we're glad to send it out. We hope it gives them a lift every time they read it.

We know you men in the armed forces are on the jump from dawn until dark . . . with little time for writing. So, in order to keep our files up to date on your ever-changing addresses, fellows, just drop us a postal card—Personnel Department—whenever your address changes. You'll get better delivery service on your Scintillator. If you do have time to write a letter, remember that we're always pleased to hear from you.



MR. H. HANNI General Manager



MR. T. Z. FAGAN Sales Manager



MR. W. MICHEL Quality Manager



MR. G. E. STEINER Comptroller

# Scintilla's Men Behind the Scenes

A few years ago, while Scintilla was still in its infancy, it was a simple matter for the Company Executives to take frequent trips around the plant for the purpose of getting acquainted.

But plant expansion and pressure of duties under a war-time schedule have made impractical the former method. The men behind the scenes miss the old days, when they could find time to go here and there in the shop, stopping for a chat with the boys on the line.

Many of our employees have expressed the desire to meet the men who hold the responsibility for keeping Scintilla on an even keel. Since they cannot appear in person we are taking the second best course . . . of presenting them in the Scintillator.

On this page, we begin the series with the top panel of management. In following issues, we will continue our presentation until the list has been covered.

#### Hobby Column (from page 4)

Shooting the .38 is more difficult because of flinching and nervousness, but has the advantage that the brass shells may be reloaded, thus providing a source of ammunition when factory loads are not obtainable. Reloads are always cheaper and provide another hobby for long winter evenings, for a set of inexpensive tools will keep you at home and out of the beer parlor while you are casting bullets, pouring powder, and putting them together.

Factory ammunition on the dealers' shelves has been frozen except for sale to farmers. It is intended to be used for pest control. Most gun clubs can obtain ammunition for training their members.

There is no easy road to being a good shot. Neither do you have to be "born to be" a



MR. C. J. BRENNAN Assistant General Manager



MR. W. J. SPENGLER Executive Engineer

good shot. Anyone who cares and takes the time can become a proficient shooter by following these rules:

- 1. Get the best advice you can on equipment as well as on how to shoot. Get a good book or two and join a gun-club. (Much advice can be found among shooters and given freely; the trouble is to find a way to turn it off.)
- 2. Shoot as much as time and available ammunition permit. A seasoned shooter is apt to burn up to 300 rounds a week.
- 3. Shoot at paper targets; don't waste your time on tin cans and bottles. They will come easily after you have learned to put your shots in the bulls eye. Keep track of your scores.
- 4. Don't grow discouraged . . . it takes much shooting to get your muscles coordinated so you can keep your shots grouped. You will never be perfect so you will always be interested.
- 5. Do dry shooting at home. Put a small spot on the wall and go through the process (continued on page 7)



Due to the increased shortage of labor in all fields of work today, the Sidney Amateur Field Trial Club has been requested to take a smaller allotment of day-old pheasant chicks, instead of the anticipated additional 400 day-olds, as the pheasant rearing farms throughout the nation have been badly hit by this shortage.

However, 125 day-old chicks were received on June 28th and are coming along very nicely. In addition to this brood, our supplier has promised one hundred and twenty-five 7-to-8 week old birds, at a proportionate cost figure, to make up for their inability to meet schedule on the day-old. At a recent meeting, members of the Club approved this offer. The consignment should be here within a few days after this writing. Considering these facts, the total number of birds raised this year by the club will add up to 500 against a goal of 600.

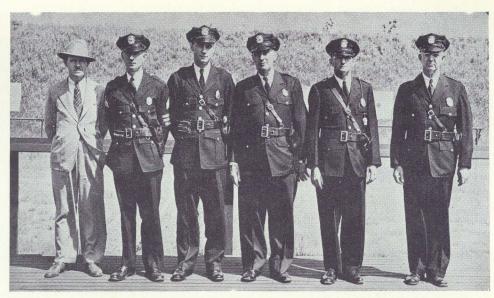
As a note of interest, the club has been congratulated by a New York State Game Official for raising such a fine flock of birds out of the first 250 day-old pheasants, now about 6 weeks old. Various members of the club extend congratulations to those few men who have so faithfully taken care of the flock from the beginning. Their hard work and determination have made this project not only possible, but successful.



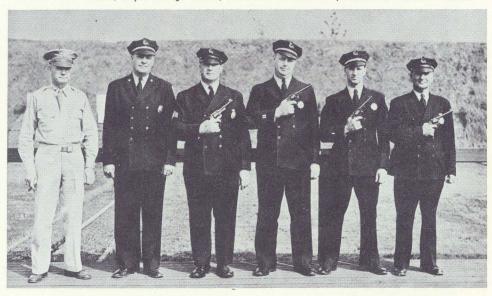
(Reprinted from American Sportsmen's Weekly)
"ARIEL," owned by A. G. C. Sage, New York
City, Double National Champion, having won title in 1941 and 1943. Note superb form, tenseness
of body.

And now, a word regarding the anticipated Fall Field Trial for Pointers and Setters. Mr. Glenn Dingman, Production Design Engineer, who has had a great deal of experience in organization of Field Trials, and your writer, have been requisitioned to make plans for this event which will be held in the latter part of September. Full details will appear in the August Issue of the Scintillator.

This column wishes to give special attention to a small breed of dogs, who for



LOSERS IN A MATCH between the Scintilla Police and Eclipse Police Pistol Teams, held at Teterboro, N. J., on June 16th. Scintilla team members, l. to r.—H. H. Friend, Coach; Sgt. Harry Hurlburt, Lieut. Victor Millus, Capt. George Darrin, Patrolman Monroe Dow, Patrolman Robert Harrison.



THE WINNAHS! Bendix Eclipse members, I. to r.—Lieut. R. Fiveash, Range Officer; S. B. Husk, Chief of Plant Police; Sgt. H. Forshay, Capt. L. Reynolds, Lieut. R. Dobertin, Patrolman F. Bull.

#### Hobby Column (from page 6)

of cocking and aiming, but with no shells in the gun, of course . . the management might complain, about holes in the wall, you know. Experienced shooters do this as many

many years were used quite extensively for hunting purposes on the European Continent, but in later years have been used only as pets, and offer keen competition in some of the well known dog shows.

The Cairn Terrier, smaller than the Scottie, intelligent, active, and alert is kind to children and is a fine dog for the fancier who is primarily interested in a canine for a pet.

This column has been informed of the whereabouts of a litter of 3 or 4 months old puppies, which are for sale. These pups are typical of their breed at this age. They are small and as fluffy as a muff. Anyone interested in good blood lines of proved strain, and not run-of-themill stock, should get in touch with Carl Lindenmeyr, Wage Administrator, or your writer.

as 50 times daily to keep in form; it costs nothing but time.

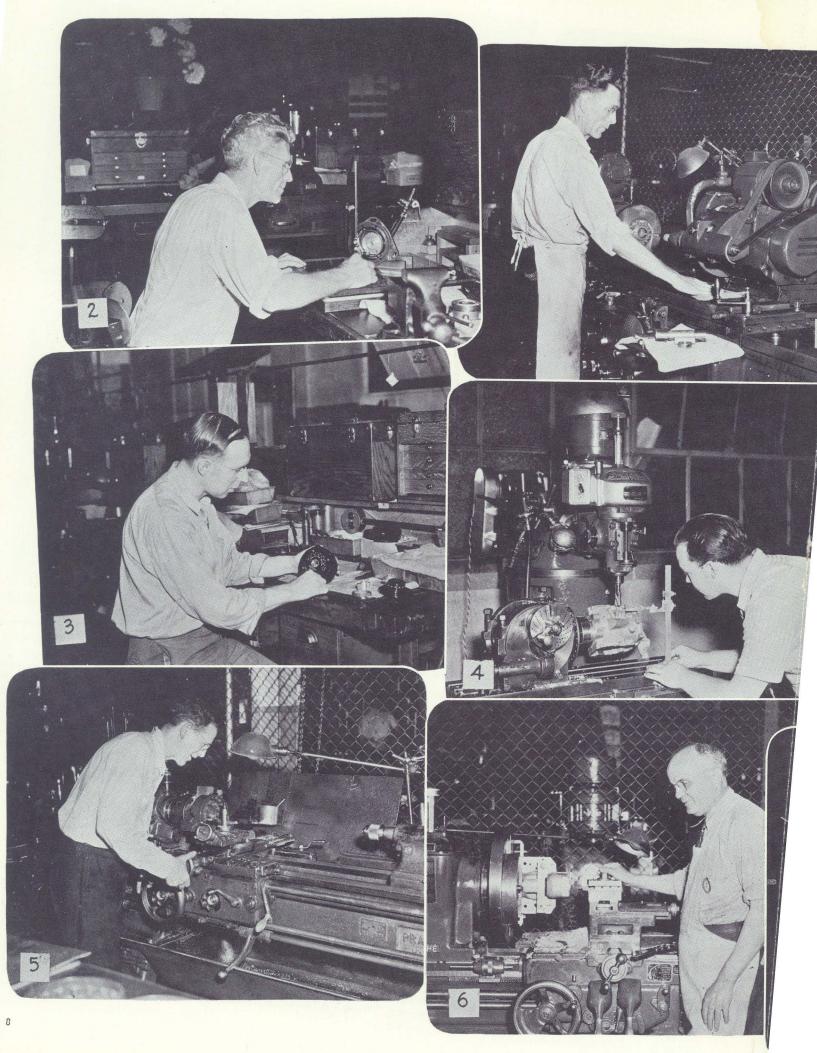
Whatever you do, don't forget to take along the women and the "kids." They will enjoy shooting. It is a good idea to have them familiar with a gun. Of course, you may be one of those pests whose wife is thinking of poisoning you; you had better not take your wife along—it might prove fatal

#### THE FAMILY

of

#### FRED W. SATCHELL

acknowledge with grateful appreciation the kind expression of sympathy, expressed by his co-workers during his recent sickness and death.



Page 8

# LAKY IN OUR PROOFFING CHIN LANGE CHINE

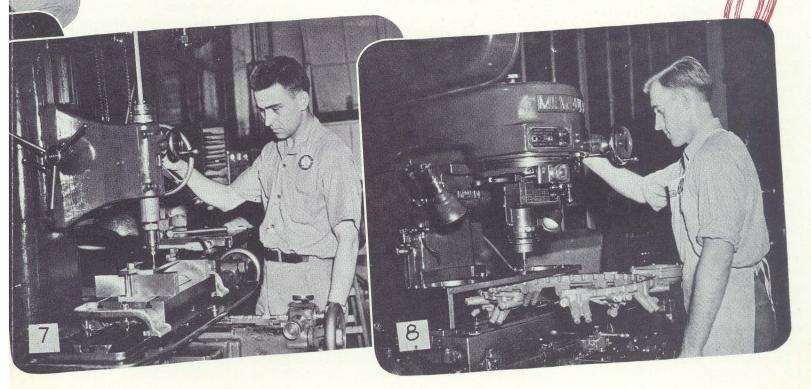
TO DEPARTMENT 12 (Experimental) belongs the distinction of having on its employee roll an unusually large number of our oldest employees, in years of service. Two fifteen-year men, several ten-year men and numerous five-year men are included in the department, which is operated under Harold Pendorf, Supervisor.

Until December, 1942, the Experimental Department operated under jurisdiction of the Production Department. At that time, it was decided to place Experimental under control of the Engineering Department. This step was taken to effect a closer working relationship between the two departments, as Experimental has a hand in "bringing up the brain children" that originate in the Engineering Department.

Primarily, Experimental functions in the development of new types of Magnetos, Switches, Distributors, Spark Plugs and virtually all of the parts required for a complete ignition system. This means that before a new item is ready for manufacture on the production lines, many hours of painstaking work will have been spent by the men in the Experimental Department. Patience and the ability to work to close tolerances are among the several desirable characteristics required in this department. The success of an item is dependent, to a large degree, upon the skill of the men who lay the groundwork for its manufacture . . . and that's Experimental's job.

(continued on page 10)

- Carl Larsen grinding a Pump part on a Cincinnati grinder.
- Harold W. Seely using a Height Gage to check a magneto part.
- 3. Albert J. Herdeker assembling a Switch.
- Donald O'Dell machining a Magneto Housing on a Bridgeport Miller.
- 5. Fred Styan performs a machining operation on a distributor head. Lathe is a Pratt & Whitney.
- Nicholaus Muller machining a magneto housing on a Lodge & Shipley Lathe.
- 7. Kenneth Newman making a temporary Drill Jig on a Jig Borer.
- Howard Huntington using a Milwaukee Rotary Head Miller, to mill electrodes on a front mount harness.





H. Cleveland, Dept. 21, written May 17th and May 28th by the Air Ministry in England. Mr. Cleveland's son, Sgt. Scott G. Cleveland, a former employee of Dept. 51, lost his life as the result of a flying accident, when the plane in which he was flying was returning from an operational raid over enemy territory. D. G. Daville, Wing Commander of Sgt. Cleveland's Squadron, praised Scott highly for his exceptional bravery, loyalty and good comradeship. He commended all American young men, who, like Scott, had joined the Canadian Air Force in the earlier days of

the war when they were so desperately needed.

Enclosed in the letter to the father was the above picture of Sgt. Cleveland's funeral procession which took place in a village in England on May 19th. The body rests in Haverhill Cemetery, Haverhill, Suffolk, England.

#### Links in Our Production Chain (from page 9)

Procedure for developing a model of a new item, insofar as Experimental is concerned, is as follows: First, design is completed in the Engineering Department. The Experimental Shop Management Division of the Engineering Department checks drawings for materials required. Materials are ordered and, with the drawings, are turned over to the Experimental Shop for initial manufacture.

When the drawings, together with contract, are received by Experimental, the prints are analyzed to determine the best methods for completing the required parts. Necessary materials then are procured from various stock rooms. Working layouts are prepared for parts requiring special handling. The materials, prints, and layouts then are delivered to the machine where the first operation is performed. From there it goes to the second machine, and so on until the part is completed.

This procedure may involve as many as 150 new parts for one particular unit,

each part of new design, ranging from a new type screw or nut to a complicated type of housing.

Preparation of layouts for the various parts involves considerable time, but the time is well spent. A well-planned layout will effect a saving of many hours of machine time when the part reaches the production stage. Since all layouts are made by the Department's Supervisory Staff, they are familiar with the various phases of manufacture through which a part must pass, and can easily follow its progress.

Out of necessity, numerous parts are manufactured in the other departments, to specifications supplied by Experimental. Moulding, Coil Winding, Painting, Plating, Gear Cutting and Heat Treat are a few of the other departments who cooperate. Similarly, machine work is done by the other departments whenever possible.

Completed parts are sent to the Experimental Inspection Section of Department 23, supervised by Al Dewey. His inspectors make a very careful check on workmanship, as it is extremely important that quality and exactness be maintained.

# Barter Column

FOR SALE—One boys' army-style, play truck with steel body and rubber tires. Inquire of Francis J. Sabraw, 184 Johnson Circle, Sidney. (23-248, moulding inspection.)

FOR SALE—1934 Sport model Buick coupe. Good tires and good general condition. Engine works like a new one. Mileage—40,000 miles. Owner is in the army. Price \$100.00. Inquire of Guy S. Fitch, Carpenter Shop. (22-23), 7-6 shift.

FOR RENT—By week, through October—new, summer bungalow at Oquaga Lake. Gas, electricity, fireplace; wood, boat, and tackle furnished. Inquire of S. W. Scutt. (22-66)

FOR RENT—By week. Cottage-Camp at Deer Lake on Route 17 between Deposit and Binghamton. Lake front, shade. Three rooms with dinette. Electric lights; boat. \$25.00 per week. Inquire S. W. Scutt. (22-66)

WANTED TO BUY—Boy's junior size bicycle in good condition. Call C. D. Frederick (77-14) in tool room—7-6 shift or write to him at 71 Cortland Street, Norwich, New York.

WANTED — Situation for good barber within 50 miles of Scintilla. Has own equipment. See 63-125, 7-3 shift.

FOR SALE—1934 four door, gray Chrysler Sedan. All tires in good condition
... Contact: Mrs. Donald Butler, Sales
Department.

FOR RENT—Three rooms and bath, newly decorated. Garage included. Inquire of Grace D. Williams, Unadilla, N. Y.

After inspection, parts are ready for assembly. The first unit to be completed seems to be "in the works" for a long time. It is at this stage that all of the "bugs" must be eliminated. The assembly procedure which is established at this point for future use in manufacturing, requires considerable skill . . . frequently calling for a large degree of ingenuity.

Changes are sometimes made after the first unit has been completely assembled . . . changes that will improve assembly, performance, or other factors. Other units are then completed following the revision procedure.

Completed units then go to the Testing Laboratory where they undergo exhaustive tests. From there they are shipped to the motor manufacturer, who soon has them in the air, testing them under actual flying conditions. If they meet with the motor manufacturer's approval, they then go into production in our plant.

Incidentally, any temporary dies, jigs, or fixtures needed for machining various castings or special parts are also made by the men in Experimental, as they are skilled in the art of tool-making.

Today's activities in Experimental make possible our livelihood for tomorrow. What they are doing must be treated as confidential . . . but if you happen to know "what's cooking," forget it when you leave the plant. As Mr. Pendorf tells it, the best advice he can offer is: DON'T TALK.

#### **Neighbors**

To those who hate animals and to those who hate themselves is this article written.

Did you ever see someone beating a horse or a dog or kicking a cat? How did you feel? Yeah, something inside you turned upside down and you saw RED; you wanted to fight to help that animal. If it didn't "get" you this way you aren't a real American.

We all love animals. Books have been written about their loyalty and their deeds of heroism. Not all of us owns a dog or a cat or a horse. You'd like to own one, though; wouldn't you? Yes, that's the feeling. Perhaps you have no room for a pet. That's alright. Don't be envious or jealous. When you see your neighbor's pet be kind to him. Show that you appreciate animals around.

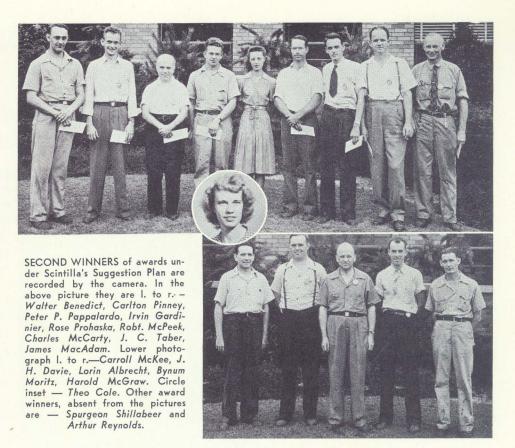
But if your neighbor's pet has done some harm to you or to your property—go to him and tell him about it. Your neighbor will make things right . . . if he doesn't he is not worthy to own a pet or to be your neighbor. And if you do not tell him, you are not worthy to be his neighbor. He likes animals, too.

Hill Tops





OF THE FIRST WINNERS in the Scintilla Suggestion Plan, certificates of individual production merit were awarded to three, commended as outstanding in initiative and production. Josiah Jones and E. M. Van Name, of the Labor-Management Committee, signed the awards which were presented to Anthony Bakoon, Elizabeth Goss and Neso Wessels.



#### **Second Contingent of Award Winners**

Seventeen Scintillites are included in this second group of Suggestion Award Winners. Two of the winners are "repeaters," and a third received an award for two suggestions.

Peter P. Pappalardo, who was represented in the first group of winners, also came in for an award this time. Carlton Pinney, who received two awards previously, collected again. Lorin Albrecht's suggestion efforts brought him two awards.

Here are the winners and the amounts of their awards:

Name	Clock No.	Amt.	Name	Clock No.	Amt.
Lorin Albrecht	23-485	\$ 5.00	Peter P. Pappalardo	63-125	\$10.00
Lorin Albrecht	23-485	10.00	Charles McCarty	13-15	10.00
Jay C. Taber	5-11	5.00	Bynum Moritz	34-42	15.00
Arthur Reynolds	10-46	5.00	Spurgeon Shillabeer	51-132	5.00
Carlton Pinney	23-1299	5.00	James Mac Adam	80-56	10.00
Carroll McKee	11-98	10.00	Irvin Gardinier	16-616	10.00
Robert McPeek	47-66	10.00	J. H. Davies	51-77	10.00
Harold McGraw	30-53	20.00	Walter Benedict	34-148	5.00
Theo Cole	23-1645	10.00	Rose Prohaska	5-39	5.00
and the same of th					

Uncle Sam needs YOUR ideas. Turn 'em in so they can be put to work against the Axis. A supply of Suggestions Forms and Return Envelopes is located near you. Why not make good use of them?

Your Labor-Management Committee.

#### A Mistake

Did the mistake I made while at my job Bring death to a soldier lad?

Did the confusion I caused on Production Line Make Adolph Hitler glad?

I know there is not one excuse—to forget— While on my job.

And being sorry can never, never Make right my wrong.

Because mistakes are being made by the best of living man—

Is no excuse for the one I made in this Production Plan.

Ethel S. Baker, 23-1461,

#### **Opportunity Knocks**

GIRLS! Have you any talent or ability in drafting? Is it being developed? Here is a real opportunity for doing just that.

A Drafting course for girls will be organized soon. Those who are chosen and who finish the course, will be placed in the Tool Design or Engineering Department.

At least two years of high school mathematics is a requirement.

Girls interested in this course, should write office 68 or phone 429 to leave their names and clock numbers.



#### **Department 80**

Things I never noodle now:

That the Expediters' Picnic was a wet affair, what with the rain, the swimming, and the wet water.

That Benny Rooke unfortunately suffered a cut foot; he survived through the heroic efforts of one George (Daddy) Beach.

That the same Beach is the proud pappy of a baby boy, born July 7th (Gary Edward Beach).

That Ann Plosky, "Our Girl Friday," looked lovelier than ever.

That Dick Benedict won the high diving contest.

That Bonnie Wart sang louder and longer than all the men together.

#### Sales Department

The Sales-Service farewell party certainly went over with a bang. On this occasion we officially said "Goodbye" to Alvin Newton, who is going to supervise the Norwich Branch, Barbara Dower, who is resigning, and Chet Jewell, who left for the Army on July 9th. We had one last fling for Chet in Mr. McPherson's home at Rockwell Mills. "So long and good luck."

#### Department 26

Mrs. Thompson has begun work for a Scintilla sub-contractor at Oneonta, in the Mica Dept.

The music, heard during the lunch period, is very much appreciated. How about "Turkey in the Straw"?

Tommy Hart paid a surprise visit to Stock C, "Owl Shift." He was formerly employed there. He is now working for Uncle Sam.

#### **Tool Design**

Ellen Ross, of Engineering, married Ward Herman on July 3rd. Best of luck.

Floyd Simerson of the defense school is in our midst for the summer vacation.

Hank Egli left recently to join the Army. He is in the Engineering Corps.



MISS LUCY DELELLO, forelady in Dept. 15, was married to Lieut. Larry Argiro on June 23rd. Lieut. Argiro is a camouflage officer at a base in Virginia.

#### **Tool Room Notes**

Karl Fink has a new son; thanks for the cigars, Karl.

What popular baritone has an axe to grind on a cutter grinder?

Fay is trying to get Oscar's neck-tie to use as a trolling line.

Congratulations and best wishes to Jim Monohan on his recent marriage.

Harold Fay is going to mount a dock-gun on his row boat when he goes to Devil's Lake. He was there on his vacation and hooked either a large salmon or a small U-boat. Whatever it was it towed him around so fast that the water began to boil and he cut the line

Greetings to our new clerk—Oscar Howe. He comes from Sidney Center. If Grace gives him a job he doesn't understand he says he'll "Oscar Howe."

Don Gould and Armstrong are fathers of new baby boys. Congratulations. Johnnie Platz is also in order for best wishes and congratulations; he has a new daughter.

#### **Department 15 News**

Josephine Caruso, 15-370, was married June 18th to PFC Roy Benedict, stationed in Missouri.

Will the party, who was seen taking ducks from Florence Delello's property, please return them at once?

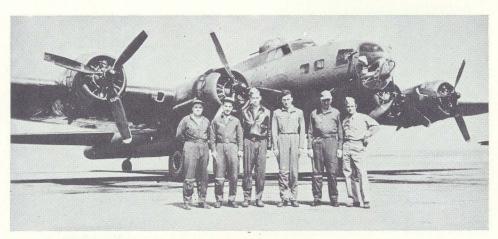
Mr. and Mrs. Fred O'Dell are the parents of a son, born July 6, 1943. Mrs. O'Dell was a former clerk in Dept. 15.

G. Higbee, 15-163, became engaged to Pvt. Earl L. Clark, stationed in California, recently. No date has been set for the wedding.

#### **Police Department**

Chief Harry Dickinson announces that three new Patrolmen have been added to the Police Department. They are: Rowland W.

(continued on page 16)



FROM THE BATTLEFRONT comes this photo of a former Scintilla employee, Truair (Bunker) Halbert, (4-12). "Bunker" is a tail gunner in a Flying Fortress crew. He is at extreme left in the photo.

# A Scintillite Speaks

How one Scintilla worker feels about our part in the war effort is described in the following paragraphs. You may or may not agree with the ideas set forth, but they are thought-provoking. Read them and then delve into the inner sanctum of your mind . . . you may find that you feel similarly, after all.

"I'm a process inspector. I've been working here at Scintilla 10 months. This is my first job in a big industrial organization. I was drawn to it as one of the necessities of war... personal and national.

"There are some things about us and our country I don't understand. Attitude, for instance. A lot of us have the same attitude toward our jobs as we had in peacetime. That's wrong.

"The whole structure of economic relationship has been turned topsy-turvy by the war. A war plant, today, is a vehicle through which you and I, at home, serve out our wartime duty to our country.

"We work IN a plant. But we work FOR our country. And thus we work for OURSELVES, our very own selves.

"That's clear; but is it clear to everybody? I wonder.

"In 4 out of the first 5 months of this year, we, on the nationwide home front, fell behind schedule in production. Guns and other implements of war that our military forces needed desperately at the front, weren't produced. The materials were there; the machines were there; the people weren't. What a terrible indictment.

"What's the matter with us, fellow-Americans? Are we smug? Are we soft, complacent, over-confident, lazy, stupefied? Can't we free people unite voluntarily to defend that freedom? Must we endure the whip-lash of dictatorship before we mobilize all-out in our own defense?

"Don't kid yourself. This war is *still* anybody's war. And the decision in this war is going to the side that can *get and hold the edge in production*.

"PRODUCTION—PRODUCTION—get it?

"That's you and me—and our fellow workers—and our neighbors—and the army of men and women, the length and breadth of our land. We're the machinery of this war. And its lubricant. And its transport. And its sustenance. And its spirit. And its reason.

"BACK UP OUR BATTLESKIES . . . a swell slogan. But let's make it more than a slogan. Let's make it REAL. And let's *keep* those battleskies where they are—over the enemy's head. And let's fill those battleskies with the invincible might and thunder of a great people.

"The people of America. You and I."

#### Color Cartoon Series Sponsored by Bendix

An aviation adventure series of color cartoons was launched Sunday, July 25, in metropolitan newspapers throughout the nation to dramatize for youth and the average layman the important role played by precision aircraft devices built for the armed forces by the men and women employees of Bendix Aviation Corporation in its 25 plants from coast to coast.

The series is titled, "The Adventures of Captain Ben Dix."

Each cartoon will feature an outstanding member of the Bendix "Invisible Crew" and its contribution to America's superiority in the air.

As an added feature, each cartoon will illustrate with clear, simple drawings and describe in layman's language a vital unit of aircraft equipment produced by Bendix workers.

"Captain Ben Dix" will appear every other Sunday in "Puck," the Comic Weekly in the following newspapers:

Albany Times Union, Atlanta Journal, Baltimore American, Boston Advertiser, Chicago Herald-American, Detroit Times, Los Angeles Examiner, Milwaukee News Sentinel, New York Journal American, Pittsburgh Sun Telegram, San Antonio Light, San Francisco Examiner, Seattle Post Intelligencer, South Bend Tribune, Syracuse Herald-American and Washington Times.

Watch for it in the city newspaper nearest your locality.



PVT. HAROLD C. SMITH, USA, was employed in Dept. 41. He is now a desert warfare trainee in California.





#### What to Write Soldiers

"The soldier wants the intimate details of life back home," says Chaplain (Major) Alvie L. McKnight, of Cleveland, Miss., who recently returned to this country after five months of duty on Guadalcanal. "That the girl two doors down has taken a war plant job, or that the couple across the street have had a baby may make your letter read like a personal column in a small-town weekly newspaper, but that's what he wants. By all means, don't tell him about your troubles; he has enough of his own.

"Domestic troubles affect the morale of the soldier at the front more than anything else. Something to live for and go back to is what keeps him going. It is what gives a man fight. Home life is everything to the man at the front."



FIRST AND LAST PANELS of cartoon strip, "Capt. Ben Dix," now appearing every other week in "Puck" Comic Sections of large Sunday newspapers.



## COMING ATTRACTIONS



PREVUE of Departmental Emblems to be awarded in coming "Back Up Our Battleskies" campaigns. Flag will go to Department having best attendance record. Gremlin character will hang in Department with best Safety Record. Watch Bulletin Boards for further announcement.

#### KENNEL KORNER POSTSCRIPT

The following was quoted in The American Field, sportsmen's newspaper, from the book, "Two of a Kind," written by Vereen Bell. We pass it on to the reader in the words of the Negro Helper, Wesley, who stands over the grave of the Pointer dog, "Ambling Sam," and says:

"... and he was just a dog, Lawd, but such a dog as ain't never been on disheah green earth. 'Scuse me, Lawd, please recollect he was a Christian-folks kind of a bird dog, didn't have no bad habits 'cept a little foughtin' now and den, didn't suck eggs, didn't bite nobody, didn't bark at white folks, didn't never loaf on de job when he was workin'.

"Well, here he come. It ain't for no common field hand like me to know what kind of 'rangemints you got up yonder, and maybe dey ain't no allowance made for dogs as such. But in time I heard bird-

dog folks say you got a plantation leased up yonder, and it's a thousand miles long and twice as wide, and dey ain't no briers ner rattlesnakes, and it ain't never hot and ain't never ground-froze, and de birds is golden birds with sapphire eyes and dey don't run and dey don't flush wild, and ain't no night to spoil de hunt, and no whistle to call de dogs in; and dat's where de dogs go when dey die.

"Well, Lawd, if you got de huntin' rights on such a place as dat, now you got a true good bird dog to turn loose on it. Though 'scuse me for trying to tell you, cause if old Jingo and Crazy Mary Montrose and Sioux and John Proctor and such as them is up there, you don't need nobody to tell you what a good bird dog is. But, Lawd, someday when you git fed up looking down here and seeing de world wranglin' and sinnin' and a-ruckusing," take old Sam out and run him against de best dog you got up there, and see if you don' have a Jesusly-fine dog race . . . I thanks you, Lawd . . . Amen."

#### Goodbye Be Good

Dad just said, "Goodby, Son." Mother said, "Be good." A million things they left unsaid: I, somehow, understood. Dad meant, "Son, a part of me is going away with you-"I'll be with you, Son, "In everything you do." Mother meant, "Be careful, dear-"Wear your rubbers when it rains; "Don't let anything happen " 'Til you come home again." But all a mother's loving advice She had to leave unsaid, Smiling, to keep back the tears, just said "Be good," instead. Mother and Dad did something Only parents could, They spoke a million words Of love-In just, "Goodby-Be Good." (Written by Pvt. G. S. Fitch on the train after saying goodbye to his father and mother)



HOPE A. WATSON, former Inspector in Dept. 23, and daughter of Dr. and Mrs. J. B. Watson, Oneonta — now Aux. in W.A.C. in a Mass. Fort. She anticipates service in Aerial Photography. Popular and artistic, Hope was here more than a year. She says she wants mail. See Dept. 23 for her correct mailing address.



PFC. HENRY (TED) ESTLE, now stationed in Illinois, is studying radio. He sends greetings to his friends on Line 40.



CORP. PAUL C. BUCK, Ordnance, is enjoying camp life in Oklahoma. Paul worked in Dept. 23.

## EXCHANGE...





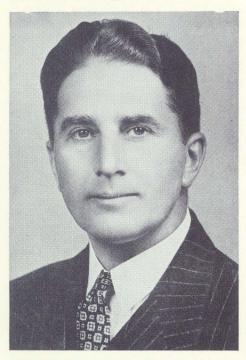
GIVE AND TAKE . . . The Scintilla Magneto nameplate, shown in the top photo above, was taken from an American fighter plane that came to grief on the African front. It represents a small portion of the price paid by the Allies in order to gain control of the air in that area. It also proves that Scintilla had an active part in the tremendous job accomplished by the Allies in Africa.

Lower photo shows a Japanese Magneto nameplate removed from a Mitsubishi Bomber that was shot down in the Solomons . . . which proves that American fliers "can dish it out as well as take it."

The Japanese characters mean that the magneto model was a "Shiki" and was manufactured by a stock company called "Kabushi Ki-Kaisha," and its subsidiary company, "Yoko Gawa Denki Seisakusho." It was made in the 17th year, 5th month of the Emperor . . . according to the Jap method of recording date.



# Bendix Comptroller...



THE ELECTION OF Charles Hummel as Comptroller of Bendix Aviation Corporation, to succeed W. H. Houghton, recently elected treasurer, was announced on July 8th.

#### **Question for Americans**

What did you do for Freedom today?

A Marine on Guadalcanal,
Through a hail of lead and jungle hell,
Crept out to a wounded pal;
And he dragged him back through the slime and
muck

Then, with never a thought of rest,
Back over that deadly route he went
And smashed a machine gun nest.
It wasn't much fun—the bullets—the mud—
He may have been scared, but he hid it!
He only knew of a job to do
And he didn't quibble, he did it.
What did you do for Freedom today?
"All that you could"—Think well—
One-millionth as much as that Leatherneck did?
They buried the boy where he fell.

What did you do for Freedom today? A Sailor on a rubber raft Drained the last wee drop from his water flask Then threw it away and laughed. For eighteen days on an endless sea In torment of pain he lay: Drenched and chilled to the bone at night, And burned to a crisp by day. He wanted to live, but knew in his heart That the odds were a thousand to one: But he drifted and hoped, consoled by prayer, And the thought of a job well done. What did you do for Freedom today? "All that you could," you declare. But when you say that remember the Sailor Who died on the raft out there. What did you do for Freedom today? Nine lads in a B-17 Ran into a flock of Messerschmitts, And died in their wrecked machine. Oh, they didn't do bad with what they had, But they flew through hell to do it; They had smashed Berlin and they knew it.

#### THANKS .

I wish to thank the Engineering Dept. for the many lovely cards and the beautiful flowers, sent to me during my illness at the Fox Hospital, Oneonta.

Elvera La Guardia

They were full of holes, with no controls,
And their ship was a comet of flame:
But they stuck to their guns and the useless stick
And battled on just the same.
What did you do for Freedom today?
"All that you could," "O. K.",
But if those nine boys in the B-17
Were to ask you, what would you say?

What did you do for Freedom today? I think they've a right to ask. You're in this fight just as much as they, And with just as important a task. Were you at your desk, or bench or press, And at work with the starting bell? Did every minute of this day count? And the job-did you do it well? Did you buy a Bond or a Stamp today? Or collect some scrap for the pile? Did you save your grease or throw it away? Did you drive just an extra mile? Have you been down to the Red Cross Bank And given a pint of your blood? Did you send that V-mail letter today? Did you hoard any rationed food? Before you begin to complain and gripe That life is all work and no fun-Would you trade your dinner for ration K Or your overtime pay for a gun? Just stop every once in a while today When your lot seems hard and lean And think of a Sailor, and a Leatherneck And nine boys in a B-17.

-From the N. Y. Herald-Tribune

#### LITTLE JENNIE

By Frank P. Gill

To the workers in the war plant, little Jennie was a cutie. They liked her fighting spirit and they voted her a beauty. And Jennie took her chances on abrasions and contusions Because her boy-friend needed arms out there in the Aleutians. Jennie, too, bought War Bonds and betimes she saved her pence. And the workers gave her credit as a gal with common sense.

But one thing bothered Jennie, as she worked among the presses—A safety rule. She hid her hair and covered up her dresses, But since her eyes were long her pride, and goggles didn't suit her She fought the plant injunction; no official could refute her. Jennie wouldn't wear them. She preferred to take a chance, As far too many workers do in hundreds of our plants.

But that is all past history, as Jennie's now confessin'.

A little chip of steel one day, brought home to her a lesson.

It flew into her eye at work. Since then she does adhere to The safety regulations which all such as she are heir to.

Now Jennie is obedient, and her work she never boggles And she's the plant best booster for wearing safety goggles.

**National Safety Council** 



### The Cover

"BACK UP OUR BATTLE-SKIES" is a slogan that has a deep meaning for the Scintilla men and women who are shown on the cover.

Left to right are: Josiah Jones (34-2), set-up man in Dept. 34, whose son, Lieut. Steve Jones, is now on special assignment in this country as a bomber pilot.

John J. Martin (31-51) is employed in Fuel Pump Assembly. He has two sons in the service... one with the U. S. Army in England, the other with the Army in this country.

Mrs. Laura Wells (16-179) works in the Assembly Department. Her son, Edward J. Wells, is with the Army Engineers in Africa.

At the extreme right is Mrs. Grace Sampson, Tool Room. Her husband, Wm. R. Sampson, is a Chief Petty Officer in the Navy.



"I know it's our week's sugar quota, but he's going to buy War Stamps with the profits."

#### Shavings (from page 12)

Brown, who has had six years' experience in the National Guard . . . Joseph B. Connors, transferred from the Molding Department . . . William O. Passmore, formerly employed as a guard at the Picatinny Arsenal, Dover, New Jersey.

On July 4th, Fire Chiefs and their assistants, from villages in this area, visited the place to observe our methods of protection against fire. Visitation was made to give officials a working picture of our facilities, should the need arise for outside assistance in case of emergency. Visitors were members of the Central New York Firemen's Association.

#### Sparks From Engineering

Mr. and Mrs. Donald Palmer have announced the birth of a daughter, Phyllis Jane, on May 7th. Congratulations.

The Engineering Department held a "stag" picnic at Peckham's Grove on June 5th. A most enjoyable time was reported by all who attended.

J. Franzese and M. Goldsmith have returned from their vacations. They enjoyed themselves and have come back nicely suntanned.

We are all talking "victory gardens." It sounds as though the Engineering Department won't starve this winter.

Wonder if "Grabber" has been found in any restaurants sans funds lately. We will bet he doesn't intend to frequent a certain eatery where they have an oversize waitress.

Wonder what J. McNulty's formula is for removing lipstick from shirt collars.

#### **Purchasing Chit Chat**

On June 12th Faith Elvig became the wife of Carl Woytek.

A party was given in Mrs. Woytek's honor at the Hotel DeCumber on June 24th. The couple was given an electric clock. Congratulations to Faith and Carl.

We have received a letter from Henry Provenzon. He is recuperating from pneumonia in the hospital at Miami Beach, Fla. We wish him well and suggest that his friends let him know by mail that they are thinking of him.

Harvey Storck is training to become an aviation cadet. We wish him luck.

We have eight new people in our department. Welcome to the purchasing gang, Folks. Hope you like it.

Doody, Eleanor and Grace, as well as Louise, have chosen to spend their vacations at Euffalo, Niagara Falls and Canada. Popular places.

Our Joe is night supervisor now. We hope to have him back on the day-shift when they have broken in a new man.

Peggy has just returned from Florida and Cora is visiting her husband there now. There are ways of getting a good tan.

#### Inspection News

Frances Van Gorder, "Picky," left on June 18th. She has had three years and three months of service in the Scintilla. She worked for two years and nine months in the Spark P'ug Department and six months in Inspection. We wish her good fortune.



LT. JOHN A. JENKS, formerly employed in Harness Electrical Testing, is located in Florida in the Ordnance Branch of Service. After being graduated from OCS he instructed in a Md. proving ground. In April he was married to Miss Sarah A. Hatfield, of Elkton, Md.

#### Layout Department News

As the result of an argument between Ed Knight and Andy Prohaska as to who was the better skater, the Layout Department has monthly skating parties. We have had two and everyone enjoyed himself, especially Karl Friedrich.

Window-smashing is our favorite pastime. Andy Prohaska broke one; Joe Caffee wanted his name in the Scintillator, too—so he broke one.

The "Back-to-the-Earth" movement is here in a big way. Ralph Lull bought a new farm in Morris; Lynn Hallock's layouts are covered with sketches labeled: "Barn," "House," "Pump," and "Driveway."

Genevieve Hubbell is joyfully vacationing at Fishs Eddy. Joyce Hunt and Laura Davis will have their holidays within the next two weeks. Joyce is going to take life easy at a dude ranch in the Adirondacks and Lake Luzerne; Laura is going to celebrate her first wedding anniversary in New York.

#### Some Service

When Bob McClintock returned to Sidney he headed for Joe Moore's to meet the new field representative there.

The girls in the department "hen-partied" Frances Sherman shortly before her marriage to Leroy Webb.

Private Bob Wickham's phone call from Savannah sent at least one civilian's morale to a new high.

Harry Earl is on the road to recovery. We are glad to announce that Sylvia Trees also is home and feeling better.

After spending the winter in Detroit, Jean, Tyrone, and Blitz DeMellier have moved to Miami this summer. Larry has a new assignment. Jack Pedersen has been transferred to the Detroit area.

The recently-returned Rex (Trader Horn) Huyck, Lloyd Griswold and Clyde Murphy are now seeing America second as field service representatives.