

THE

SCINTILLATOR

Published for the Employees of

SCINTILLA MAGNETO DIVISION, BENDIX AVIATION CORPORATION

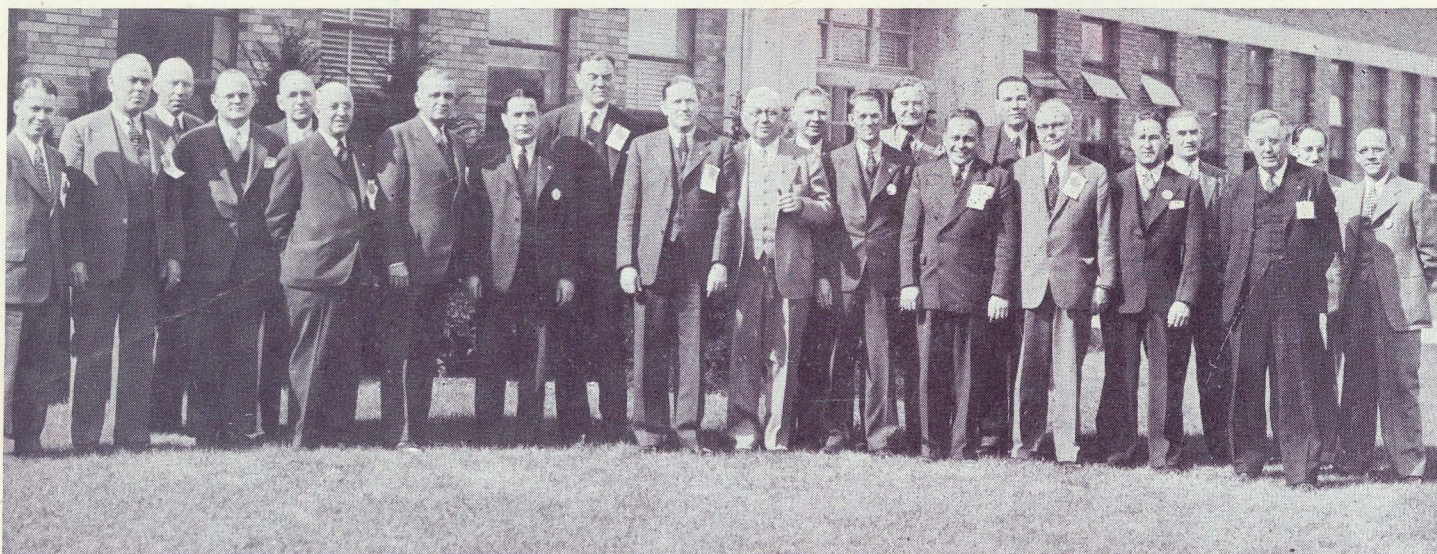
VOL. I, NO. 13



MAY, 1943

**BACK UP OUR
BATTLESKIES**





STOPPING OFF at Sidney for a Scintilla visitation, this group obligingly spent a few moments before the Company camera. Included in the group are members of the New York State Legislature, *Hamilton Fish* of the House of Representatives, Officials of the Ontario & Western Railroad, and Scintilla executives who welcomed the visitors and conducted them on a tour of the plant.

FOR SALE—Eight-room house with bath. All modern conveniences, including spring and village water. Garage, work shop and chicken house; also barn and building lot. Price very reasonable. For full information see Dick Anthony (22-83), 6 P.M.-5 A.M.; or Mrs. Louella Jarvis, Dept. 63, 7 A.M.-3 P.M.

FOR SALE—10-room house, $\frac{1}{4}$ acre of land. Some new floors. Newly shingled with White Asbestos Rubberoid Shingles. Good garden. One-quarter mile above Mt. Upton, on main bus route from Norwich to Sidney. \$800.00. See Chas. Fredericks, Dept. 22, (7-6 Shift).

FOR SALE—Thompson canoe, complete with sails and paddles. First-class condition. Price \$75.00. Inquire of C. A. Isbell, Payroll Dept.

FOR SALE—16-ft. Elcar House Trailer. Modern equipment, good condition. See 23-178, 119 Johnson Circle, Sidney, N. Y.

WANTED TO BUY—Carl Sandburg's books, "Abe Lincoln in the War Years," would like complete set of four books, but will accept single volumes. Charles Truscott (46-57), 21 Myrtle Ave., Oneonta, N. Y.

WANTED TO BUY—We are interested in obtaining used classical, semi-classical and symphonic records and albums in good condition. Contact K. Truhn (6-7), V. Verzaro (6-108), Eng. Dept.

WANTED—Used car or Station Wagon. Phone Ferrell, 402 . . . or Sidney 5485.

WANTED—Stamps of all countries. Specially interested in stamps and covers of U. S., Canada, Newfoundland, Nova Scotia, Prince Edward Island and Vancouver. Also Civil War Patriotic Covers, old valentines, Confederate State Covers and all Exposition Envelopes. Write or phone Francis S. Puccio, 23 Rose Ave., Oneonta, N. Y. Phone 2074.

FOR RENT BY WEEK—New summer cottage at Oquaga Lake. All modern. Boat and tackle furnished. S. W. Scutt (22-26).

FOUND—A man's class ring. See E. Archer, Dept. 23.

★ ★ ★ SHAVINGS ★ ★ ★

Industrial Engineering

By George Ferrell

Charley Arliss just bought a pony and rig. Now he's looking for a farm on which he hopes to "bring it up." Better buy a horse, Charley . . . ponies never grow up.

Geo. Diehl is donating a good wood-burning range to anyone who will take it off his back porch. He doesn't need it now that the weather has turned for the better, and he has found a way to crawl in through the window when his wife locks him out.

Hobby Lobby missed a bet when they passed by Bill Ring. He's a railroader (the miniature kind). He calls it "Model to Scale" railroads . . . but you ought to hear what the Missus calls it, and him.

For those who do not know, BKW means Bigelow, Kent and Willard . . . the boys from Beantown, Mass., who are paying us an extended visit and also laying down the foundations for better methods in "shop practice." Now, girls, we mean "machine" methods.

Sparks From Engineering

By Jack De Temple

The Engineering Department held a Dinner Dance at Major's Inn, Gilbertsville, on Sat. Eve., May 1st. About 130 people attended and enjoyed music by Stu Crandall's orchestra. Committee for the dance consisted of Mrs. Betty Jayson, Mrs. Beryl Van Namee, A. Ryan, R. McClelland, M. Weatherly and J. DeTemple.

We wonder if R. Purdy tried to wave out his match or drown it. At any rate, it was one good drink wasted, wasn't it, Roland?

It certainly wasn't intended for yours truly to get there, I guess. Boy, it sure is tough having a flat tire when you're all dressed up.

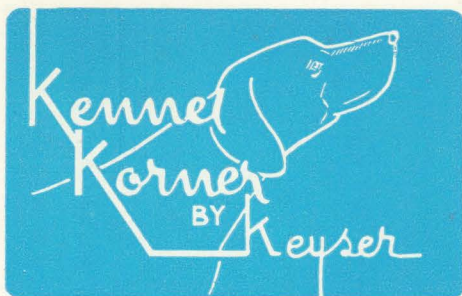
Miss Eleanor Pratt had the pleasure of talking by phone to her fiance in Hawaii on Sunday, May 2nd. Boy! Did she have stars in her eyes all day Monday!

Miss Vera Morgan, Eng. Dept. Librarian, was entertained at a birthday dinner in her
(continued on page 3)



A PORTION of the Bonds purchased by Scintillites during the recent campaign. The two boxes shown above contained about 1800 Bonds. Sorting Bonds for delivery to purchasers are Elizabeth Osborn (7-22), T. Trinkino (32-26) and Frances Scarlett (7-527).





Last month we gave you a resume of the functions of the Sidney Amateur Field Trial Club, including its intended purpose of raising a quantity of pheasants for this area. We are pleased to advise that word has been received from the State Department of Conservation that Sidney area will probably receive from the County Federation about 150 pheasant chicks. In addition to this figure an order totaling 500 has been placed with two pheasant breeders here in the east for day old pheasant chicks.

We have Robert Hamilton, Traffic Manager for Scintilla, to thank for offering the use of his modern chicken house to brood these chicks.

Henry Pardee, one of Sidney's active sportsmen, will supervise rearing the birds. His experience and genuine interest in the propagation of game makes him well qualified for this job. Arthur Kasson, Service Repair, will act as assistant supervisor, along with other members of the club who have offered their services to help make this project successful.

Some of the boys have been asking about the membership of the Club. At this writing there are an even 70 paid members. The cash received from this group for membership dues will nicely take care of the purchase of the birds; however, an added amount of \$50.00 will be needed to raise them to 10 weeks, when they will be ready for liberation. Every sportsman in Sidney area is asked to support this project by joining the Club. The rewards will come next fall during the pheasant season . . . we hope .

Shavings (from page 2)

honor at the Hotel DeCumber. The dinner was given by a number of the girls from her rooming house. She was presented with a set of pearls.

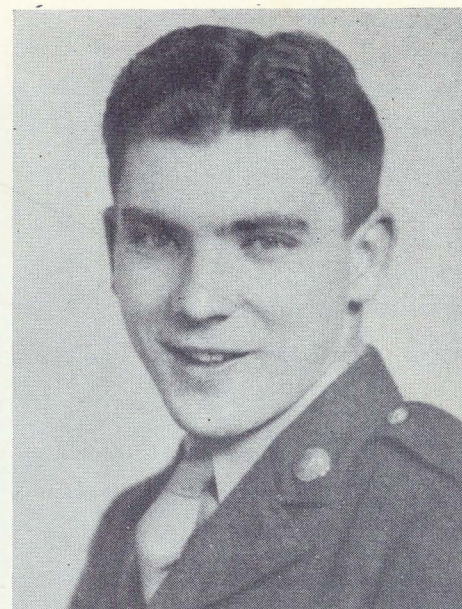
Mr. V. Ward journeyed to his home recently to see his brother who was home on furlough. Vince reports an enjoyable week-end.

Lieut. Harvey Ferry, formerly of Sales Engineering, dropped in to renew acquaintances the other day. Harv sure looks good, and says "Hello" to any of his friends he missed.

The W. Roloson's announce the birth of a 4 lb., 14 oz. son, David Graydon, on the morning of May 5th. Score one more for Engineering.

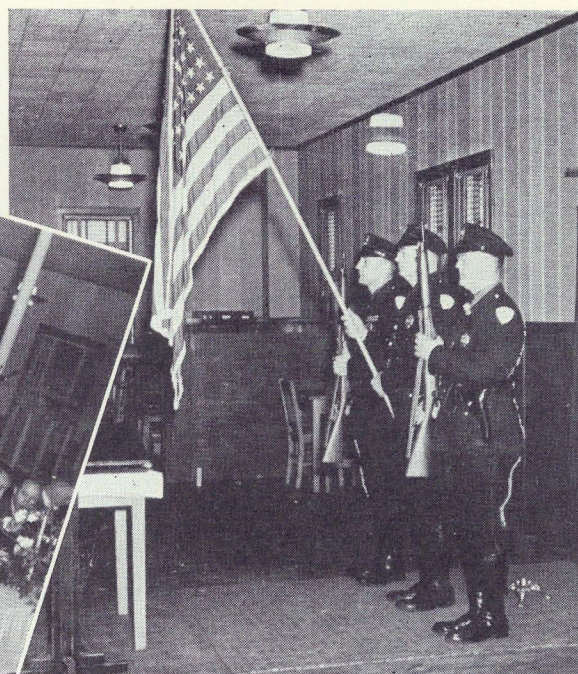
Miss E. La Guardia took her first week's vacation and went to Chicago to see her "One and Only."

(continued on page 8)



FORMERLY EMPLOYED in the Engineering Department, Aviation Cadet Frank Trinder (left) is now located at a Louisiana Air Base. His brother, Walter Trinder (right), while at Scintilla, was employed in the Spark Plug Department. He is now a corporal in the Air Corps Ground Crew, stationed in Idaho.





ABOVE—Opening shot at the Service Emblems Award Dinner (story last month) was presentation of the colors by members of Scintilla Police. Upper left—View of speakers' table. Left center—R. P. Lansing presents 20-year pin to F. J. Scheidegger. Lower left—T. Z. Fagan presents 15-year awards to Bob Graham and L. W. Trees. Mr. H. Hanni, General Manager, follows the proceedings with interest. Mr. R. P. Lansing, Vice-President and Group Executive, Eastern Divisions, Bendix Aviation Corporation, is shown facing the camera.



Pvt. Baldwin Speaks

The following statement is published at the request of the writer, Pvt. L. W. Baldwin, who was formerly employed in Dept. 44, and is now with an Army unit in Georgia.

"Today many of the boys are receiving the 'Scintillator.' On opening it they see a picture of a product they helped to produce, or even a picture of some friend on the production line. These pictures make the fellows think.

"Yes, they well remember the good old days and the poor ones. The days when they only made a few dollars on piece work . . . and the 'gravy' jobs also. The feminine minded still have fond memories of the girls who worked with them. These are just a few things that flicker through the mind when one opens this small but popular pamphlet.

"But let us look at a second factor that is very important. Why are people working so hard? You could answer that by saying 'To win the war.' Yes, that is very true, but let's look at it from a slightly different angle. Today the people of Scintilla are working hard, so when the war is over they will be able to take a day off without answering to Berlin or Tokio for their actions.

Everyone must be optimistic and wait for normal conditions after the war. Now I am not favoring absenteeism . . . far from that! It is just the fact that some day the defense workers will be rewarded

(continued on page 12)



Hotel Bingham orchestra in action at Service Awards Dinner. Upper right—Messrs. Egli, Spengler, Payne and Steiner receive their 15-year pins from Mr. Hanni. Right, center—View of speakers' table from opposite end of view shown on adjoining page. Lower right—F. W. Taft introduces Paul Munroe (extreme right), Account Executive of Buchanan & Co., Inc., Advertising Counsel for Bendix Aviation Corporation.



USO Dances Prove Popular

Under supervision of a volunteer USO dance committee, of which Floyd Simerson is chairman, the Tuesday and Friday dances at the USO Club have scored one success after another.

Encouraged by the way the public received these dances, the committee this month expanded its social program. Joe Golden's orchestra is playing for the Tuesday night dances, which were formerly "record" dances, and Len Fennell and his orchestra come from Binghamton to play for an enthusiastic Friday night crowd.

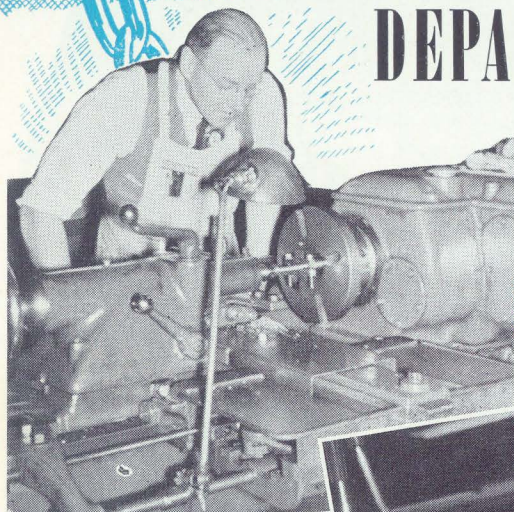
The excellent work of Mr. Simerson and his committee serves two purposes, social and financial. Not only are Sidney people privileged to enjoy dancing to excellent music, but the profits from these events is being used to retire the present indebtedness on the remodeled club.

"I'd like to take this opportunity to thank everyone who helped to make me "Miss Scintilla." My special thanks go to Grace Sampson and Sophie Nelson and the whole Tool Room gang. There never was a better bunch to work with. And to the other four winners, I sincerely say that you're all swell sports.

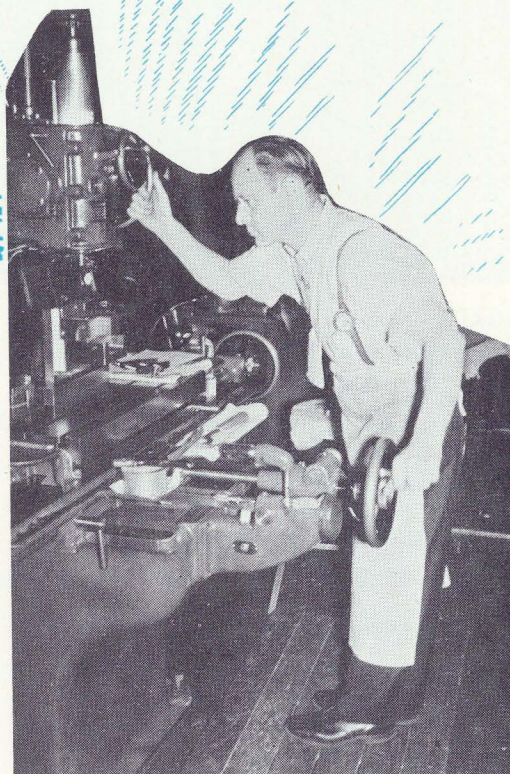
Shirley Hubbell.

LINKS in our Production Chain

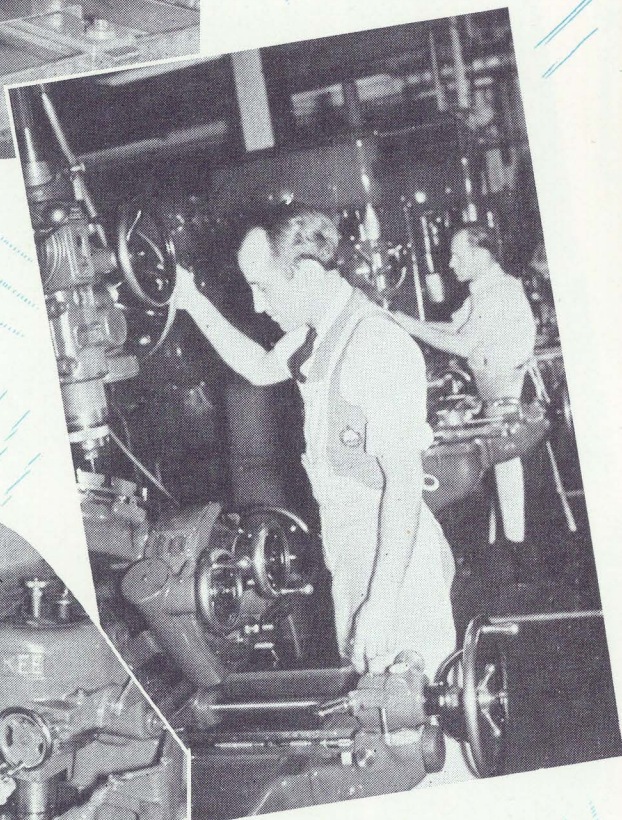
DEPARTMENT 11



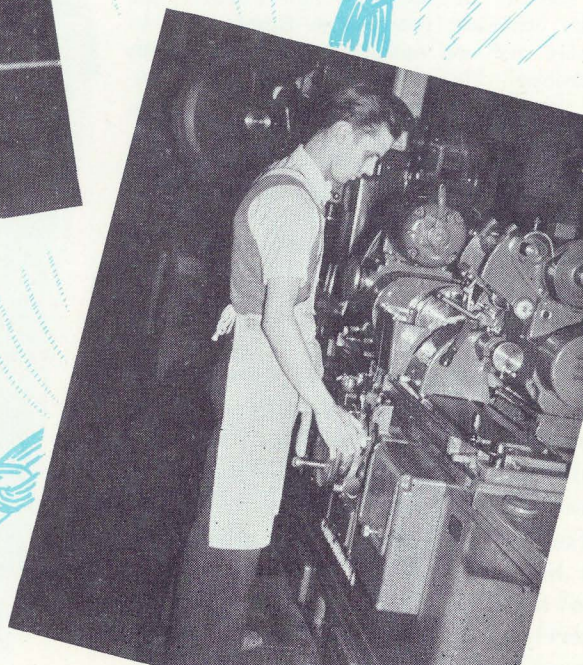
ABOVE—A Monarch Engine Lathe, with backing-off attachment. Carl Herlov, (11-34) is the operator.



H. SCHUMANN (11-73), above, and Ben Brandt (11-108), left, spend their working hours on the Jig Borers.



LEFT—Richard Casey (11-77) manipulates a tricky piece of machinery . . . a Milwaukee Rotary Head Tool & Die Milling Machine. RIGHT — A Universal Grinder occupies the attention of C. W. Kelley (11-5). "Chuck" fills in his spare time by lampooning his fellow workers in his cartoon, "The Toolers."



LINKS IN OUR PRODUCTION CHAIN

Beginning with this issue of the "Scintillator," we introduce a series of special features with the intention of giving you a wider acquaintance with the functions of the various and sundry departments which, in total, comprise the Scintilla Magneto Division of Bendix Aviation Corporation.

Everything must have a beginning, even this series. And since each of our departments ties in so closely with the others, our choice of starter was necessarily a difficult one. However, Department 11 of the Tool Room seemed to be a logical starting point . . . by virtue of the fact that it produces many of the tools required by other departments in order to carry on their work. So take a bow, Dept. 11!

In the words of Mr. John Beyen, Supervisor of the department, modern industry, geared as it is to high-speed production, can operate efficiently only when the most up-to-date tools and equipment are available. The time element is so important that no plant the size of Scintilla could afford to wait for tools when they are needed in a hurry. So the answer is: our own Tool Room.

Department 11 is, in fact, not merely one department but a combination of a group of departments, including lathe, milling, grinding, drilling and assembly operations. In this department, raw stock is converted into highly efficient tools for use in the production of the multiple interchangeable parts that make up a magneto. Planned in the Layout Dept., designed in Tool Design to suit the individual parts and operations for which they are intended, an endless number of dies, fixtures, molds and gauges are tailor-made to order.

A precision mechanism such as a magneto can be only as good as the tools used in producing it. In fact, the tools must be even more accurate to allow for accumulation of wear and tear. This accuracy can be obtained only by highly skilled toolmakers, and although military service has taken a number of our staff, we still have skilled craftsmen to carry on.

All of the tools which we turn out . . . "weapons behind the weapons of war," as we call them . . . are made with the utmost care, with the numerous operations planned and performed in close cooperation between operators and supervision.

Employees entrusted with these tools on our production lines are urged to exercise care in their use. A battered or broken tool waiting for repairs in the Tool Room is of no assistance to the war effort. Tools are vital today . . . keep them in good working order. The Tool Room needs every possible minute for making new tools . . . tools that will help win the war as quickly as possible. Don't forget the Scintilla slogan: "Our Bonus . . . Freedom."



FIRST WINNERS of awards under Scintilla's Suggestion Plan are recorded by the camera. Above l. to r.—Evelyn Beckwith, Peter Paul Pappalardo, Al Fistick, Elmer Hotaling, Carlton Pinney, Giles Skellett, Stanley Scutt, Anthony Bakoon, Jesse Kemmerer, Estelle Standfast. Inset, l. to r.—Ray Hale, Nancy Magnussen, Francis Grant, Emery MacFarlane. Several other employees also received awards, but for various reasons were unable to be present when photo was taken.



FIRST SUGGESTION PLAN AWARDS

Friday, May 14th, was a red-letter day for the eighteen Scintilla employees whose suggestions bore fruit in the form of financial remuneration. These awards are the first to be made since the inception of the Suggestion Plan in Scintilla.

Winners and the amounts of their respective awards are as follows:

Name	Clock No.	Classification	Amount
Jesse Kemmerer	17-132	Turret Lathe Operator	\$10.00
Anthony Bakoon	54-37	Internal Grinder Operator	20.00
Evelyn Beckwith	39-234	Drill Press Operator	5.00
Peter Paul Pappalardo	63-125	Bench Lathe Operator	5.00
Elmer Hotaling	16-31	Assembly	10.00
Al Fistick	31-4	Fuel Pump Assembler	10.00
Giles Skellett	22-108	Maintenance Clerk	5.00
Stanley Scutt	22-66	Maintenance Electrician	5.00
Carlton Pinney	23-129	Gauge Inspection (2 awards)	10.00
Estelle Standfast	23-657	Finished Parts Inspection	10.00

Second Shift

Emery MacFarlane	43-48	Borematic Operator	5.00
Frances Grant	48-47	Drill Press Operator	5.00
Nancy Magnussen	18-142	Spray Painter	10.00
Ray Hale	55-2	Foreman	5.00
Elizabeth Goss	23-1323	Resident Insp.	100.00
Fred Satchell	13-34	Tool Inspection	5.00
Neso Wessels	11-134	Tool Room	20.00
L. K. Robinson	7-81	Prod. Plan. & Material Con.	5.00

We regret that all of the winners do not appear in the accompanying photos. However, due to illness, arrangement of shifts, etc., it was impossible for all of the winners to be present.

The ice is broken. It has been proved that YOUR ideas are valuable . . . not only from the angle of helping to speed up production, but also to produce a worthwhile return to the men and women behind the ideas. Who's next? It's up to YOU!

Your Labor-Management Committee.

"Miss Scintilla" Contest Finishes in High Gear

For a project that met with only a luke-warm response in the beginning, we must admit that the "Miss Scintilla" Contest topped anything we have seen, insofar as a riotous finish was concerned.

Purpose behind the contest was to stimulate interest in the national "Buy an Extra Bond in April" Campaign, sponsored by the U. S. Treasury Department.

Every employee who was buying Bonds by the Payroll Deduction Method, at the opening of the contest, was entitled to cast one vote as a starter. Subsequent votes were made available on the basis of one vote for every dollar increase in weekly payroll deductions, or one vote for each dollar of Maturity Value on additional Bonds purchased outright.

Climax of the campaign was reached on April 30th, last day of the contest. Money rained down in a torrent upon the already distraught departmental clerks. And if all reports are true, the Company's Bond Department was literally snowed under with a deluge of purchases.

During the contest, which ran between two and three weeks, Cash Bond purchases totaled \$76,336.15, with a Maturity Value of \$91,780. In the same period, increase in weekly Payroll Deductions totaled \$2,705, with a Maturity Value of \$3,606. Added to payroll deductions prior to the contest, the present Yearly Basis Equivalent totals \$1,511,456.44, with a Yearly Basis Maturity Value of \$2,015,228.89. This represents a 10.3% increase in Payroll Deductions.

Votes polled by the five winners . . . "Miss Scintilla" and her four attendants . . . were as follows: Shirley Hubbell—29,663. Arleta Warner—21,032; Lillian Bouvier—14,670; Florence MacDonald—9,113; Doris Cumber—5,930.

While we had a lot of fun out of the contest, we all may take a generous amount of pride and satisfaction in the knowledge that our money will serve a noble purpose. And in so doing, will help to bring our boys back home after a speedier victory.

Committee in charge of the contest consisted of Robert T. Snowdon (Personnel), Chairman; Doris Cumber (Inspection); William Mc Intyre (Payroll); Thomas Marden (Raw Stores); David Newcomb (Sales); Mrs. Evelyn Mc Gregor (Member, Permanent Dance Committee).

Our congratulations to the Committee for their efficient organization, and the gratifying outcome resulting from their efforts.

Your Labor-Management Committee.

Shavings (from page 3)

D. R. Albrecht and Mrs. spent their vacation in Florida. In the bucks, huh, Don?

The Ted Bolton's, Eng. Lab., announce the birth of a daughter, Kathryn Andrea, May 5th. Score two for Engineering.

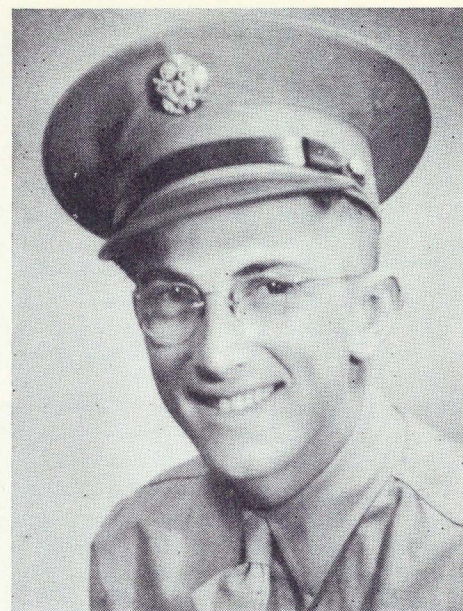
Sales Department

By Lois Barratt

April brides were in season this year in this

department. Those who took the leap were: Eva Sanford, who married Herbert Liddle, of Delhi; Mary Tiffany, who became the bride of Private First Class Henry Spafard, both of Walton; and Shirley Stiles, who married Bert Lord of Bainbridge.

Mrs. Jean Loomis paid the Sales Department a surprise visit upon her return from Texas where she visited her husband. Dave



PFC. RALPH HUYCK is studying the mechanics of radio operation at an Army Air Forces Technical Training School in South Dakota. He formerly worked in the Engineering Department and played trombone in the Scintilla Band.

Loomis, formerly employed here, is in the Army Air Corps.

Ethel Wightman, who is stationed in Kansas City, loves army life but still likes to hear what's perking around this neck of the woods. Now that she's from Missouri she'll have to be shown—lots of mail!

The stork visited several homes of members of the department this last month. Having arrived at the Lechevet home with baby Jon, he hurried over to Henry Schneiderman's with a 7½ pound baby boy whose name is Allan.

The Sales Department union, the B. A. P. O. O. T. S. D. O. S. M. O. B. A. C. has been heartily accepted by its members and has the approval of all. More power to it!

Private Phil De Rock, having finished the primary course in aviation at Hamilton College, is waiting to be called for secondary training. Meanwhile he spends the hours between 7:30 and 5:30 in the Sales Department.

The ring Delores Brigham is sporting speaks for itself. The man involved is Private W. Dean Stahlman. Well, loads of luck, kids.

Our Best Wishes



to the Winners!



HIGH SPOT FOR WINNERS in the "Miss Scintilla" campaign came on May 7th, at the USO Spring Dance. Shirley Hubbell of the Tool Room, having won the "Miss Scintilla" title, is shown (center) accepting the \$25 War Bond which went along with the honor. Her four attendants likewise each received a \$25 Bond in recognition of their popularity. Left to right—Doris Cumber, Arleta Warner, Shirley Hubbell, Florence MacDonald and Lillian Bouvier. Robert T. Snowdon, Committee Chairman, is doing the honors. Left and right views show portions of the crowd that turned out in full force for the event.

Many Employees and Dependents Profitably Use Hospital Plan

Blue Cross Hospital Plan Increases Valuable Benefits

Four years ago, Scintilla Magneto employees and their dependents who were enrolled in the non-profit Blue Cross Hospital Plan during that first year used 243 days of hospital care, while this year they are averaging, in just one month, nearly 250 days.

Forty-five per cent of all Scintilla Magneto families enrolled in the Plan have had hospital care including 71 "blessed events."

The Hospital Plan recently announced increased hospital benefits and has added, through its cooperating Medical and Surgical Care Plan, many other benefits to aid in easing off the seeming high cost of sickness and surgery.

This Plan does not conflict or interfere in any way with group insurance. Members of the Plan come out of the hospital of their choice with their bills paid for benefits covered.

New Hospital to Participate

Recently the new hospital in Sidney, which is expected to officially open about the first of June, signed contracts to participate in Hospital Plan, Inc. which now has nearly 100,000 enrolled in the 15 adjacent counties.

Any Scintilla Magneto employee may join the Plan by signing an enrollment card and returning it to the Personnel Department.

Subscribers' bills have been paid in practically every State of the Union as well as Canada and South America. If a subscriber (enrolled a year or more) with dependents enters the armed services, he may waive his payments and still arrange to keep his dependents enrolled so they may have the same care as though he were at home. If an employee for any purpose goes off the payroll, he may arrange to continue his membership without interruption by paying the Plans direct on a quarterly basis plus a five per cent billing fee.

Normally there is also a 25 cent enrollment fee for Individual enrollment but this is all saved subscribers when management subtracts once a month for member payments as is the case with the nearly 2,000 subscribers and dependents enrolled at Scintilla Magneto.

The Personnel Department will gladly assist anyone to enroll in these Plans endorsed by your Labor-Management Committee.

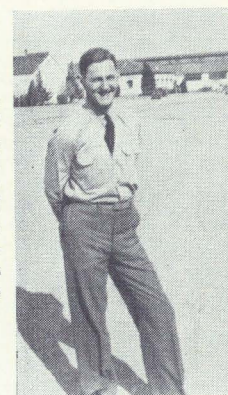
Cost Control Chatter

Cost Control was well represented at the A. S. T. E. meeting held at the Sherwood Hotel, Greene, Wednesday evening, May 5th.

The pictures and lecture which proved to be interesting and beneficial were well received by all.

Cost Control has the nucleus of a fair soft

PFC. HAROLD M. GUYER, now with an Army Unit in Colorado, was formerly employed in Dept. 23. He is now studying a technical training course. Since entering military service, his weight has jumped from 161 lbs. to 185 lbs.



ball team and shall soon be in a position to issue or accept challenges from other departments.

Dom Chilletti seems to have heard the call of Horace Greeley. The young man has gone west to Camp Stoneman, California with an A. P. O. address. We wonder how far west is west!

Bob McCauley and Ernie Haskell caught their limit of lake trout at Racquette Lake, Sunday, May 9th. Nice going! Ernie is one fisherman who has learned to keep within the law.

Vacation time is just around the corner so let's have some pictures to show for it.

Welcome to all our newcomers—we are a little late to get the complete information but we are glad you are here.

Cost Control extends congratulations to "Miss Scintilla." We also wish to say well done to E. Moody and M. Waterman. Eleanor ran well in the contest considering that we did not get going until so late. Margaret ran second in the department so while we failed to produce a winner, we do have a Miss Cost Control. How about a coronation ceremony with Margaret in the court of honor?



"DOING ALL YOU CAN, BROTHER?" is the caption on the War Bond poster in the photo above (left). To which this unit of Bond buyers in the Tool Room replies lustily, "Watch our smoke, soldier!" Tool Room (Dept. 11 & 12) topped all departments in War Bond purchases during the "Miss Scintilla" campaign, winding up with a total of \$19,087.50, cash on the line. Sophie Nelson holds the stack of currency turned in for Bonds the last day of the campaign. Right—George Vandermark, Dept. 12, lays \$3,000 worth of Bond money on the line to aid Uncle Sam . . . and, incidentally, to help boost Shirley Hubbell into the "Miss Scintilla" title.

HOBBY COLUMN

By Bo Barratt

For some time, we have admired from a distance the collection of model airplanes owned by Mr. T. Z. Fagan. Recently, however, we had access to the collection for the purpose of presenting it in this column.

The collection is divided into two sections . . . scale models and paintings. The entire group represents nearly every type of well-known military and commercial aircraft used in the U. S. since 1927.

The scale models, which are shown in the accompanying photos, are complete in practically every detail, although they are quite small. The largest has a wing span of 13 inches. Centered in the lower panel of the accompanying photos is the famous "Spirit of St. Louis." Other two photos in the same panel show the present day Bell Airacobra (left) and Curtiss P-40 (right). The P-40, you will recall, is the famous ship of the "Flying Tigers." The Airacobra is the Jap-slapper that caused so much consternation in the ranks of the Japs in the Solomons area.

In the upper panel is a group of commercial planes. In the lower left-hand corner is the Boeing 247-D. Just above is the Sikorsky S-51. In the upper right-hand corner is the Lockheed Electra, the same type used by Amelia Earhart. The Douglas DC-3 is shown in the lower right-hand corner. The biplane in the center is the first "Dawn to Dusk" racer. It was

flown between Los Angeles and New York between daybreak and dusk, and set a new record for the west to east flight.

The paintings in Mr. Fagan's office are water colors by Lucien Cavé. Interesting is the fact that the artist is believed now to be in a concentration camp. He was a resident of Paris until the time of its occupation by the Germans, when his drawings suddenly stopped coming to this country. The paintings are mostly of military planes. We saw the Boeing P-26, Vought Observation, Lockheed Ventura, Curtiss Hawk, Consolidated Patrol Bomber, and several others.

It can be said that this collection is representative of the period of aviation from Lindbergh's flight to Paris to the latest developments. Three of Mr. Fagan's models are now on display in the Reception Room, where they may be seen at any time.

Note: Lately we have received several requests about a Hobby Club. We all are in favor of the idea, but there are still many hobbyists who have not contacted this column. In order to simplify the procedure, we are including a blank at the end of this article. It can be filled out and dropped into any shop mail basket. When we determine who our hobbyists are, we will make plans for forming a club. Send in your blank today, addressed to Roland Barratt, Jr., Tool Design.

Inspection

By John Sheldon

The horse traders are busy this month, so watch your step. B. Jenkins wants to swap his tractor (1 cylinder) for one that will run. He also has a trailer (filled with ashes) which he is willing to exchange for an empty one with both wheels intact.

Ed Carkuff would like to sell his Hudson. It will run too.

"Looie" Johnson has a trailer on his hands which he is trying to dispose of. It's supposed to be a good one.

A. Straka wants a tractor in running condition.

We have been notified by Line 40 that they had a steak dinner (where did they find the cow) May 5th for a few of the older members. Those present were Beatrice Carey, Bertha Benedict, Marjorie Foster, Joan Spadaro, Helen Van Schaick, Jeanette Martin and Beth Benedict.

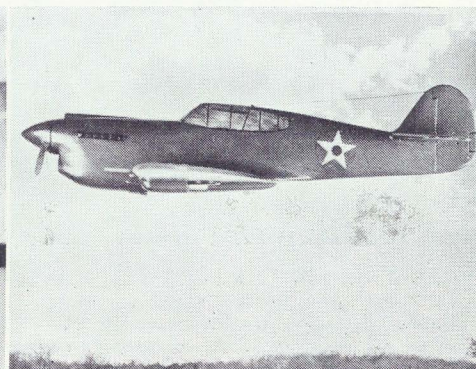
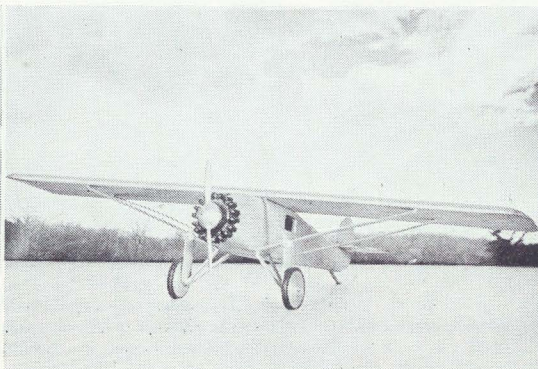
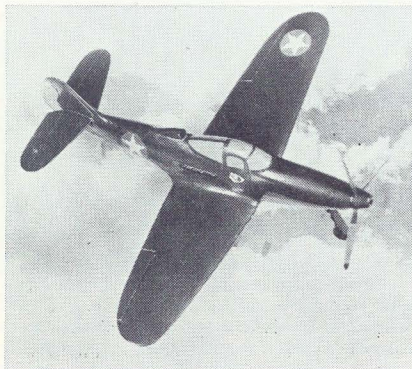
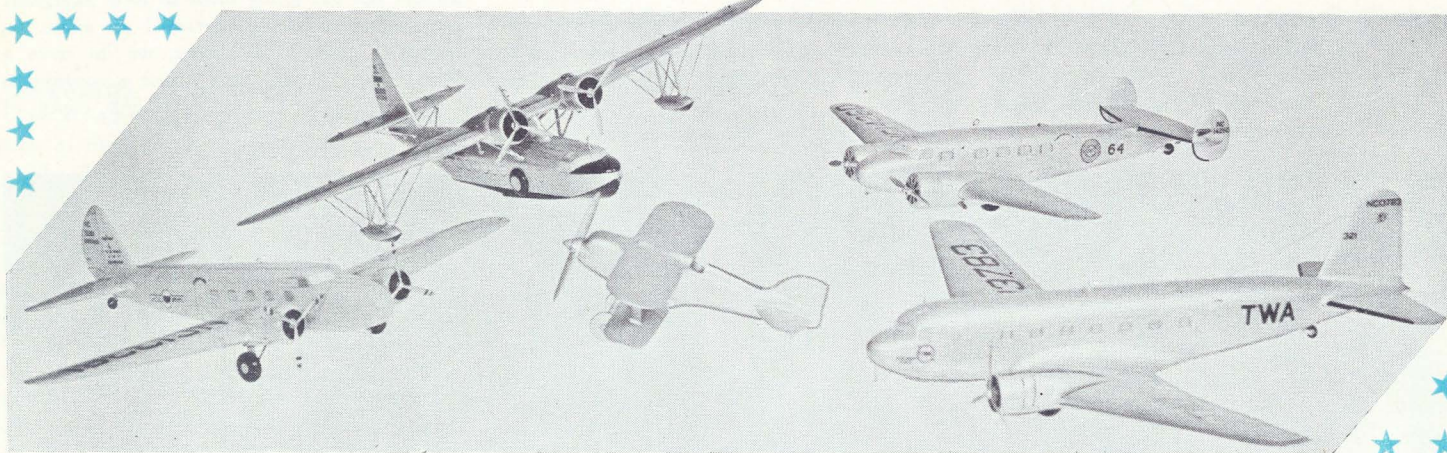
Mrs. Charlotte Pangburn who so efficiently served Mr. Michel in capacity of Secretary has returned to Maine to raise potatoes and chickens.

Dept. 19 wishes to extend to Mr. and Mrs. Ralph Morley their sincere sympathy in the loss of their small son, Gary, who died in the Binghamton City Hospital, Friday morning, May 7th.

I AM INTERESTED IN A HOBBY CLUB

Name
Address
Department
Hobby

Return to Roland Barratt, Jr., Tool Design





Stratosphere Testing Chamber Reproduces Wide Variety of Flying Conditions

The terrific pace of modern warfare, encompassing as it does nearly every climatic condition on the face of the globe . . . and penetrating far up into the stratosphere . . . calls for constant alertness on the part of our engineers. Our ignition equipment must stand the strain of service under all conceivable conditions.

Time is of such vital importance in this present conflict that product testing must be done as quickly as possible . . . without spending valuable weeks or months in assembling test data from actual operation in the various sectors involved.

Therefore, in order to maintain and, if possible, to improve the quality and performance of our equipment, Scintilla decided to build the necessary testing equipment, incorporating in it the many desirable features for duplicating any climatic conditions. The result was the Stratosphere Chamber shown in the accompanying photos.

Since it would have been impractical to have the chamber built outside the plant and then moved in, actual construction was performed on the spot (Engineering Research Laboratory) by Scintilla personnel.

The chamber shell alone weighs six tons and measures 7 ft.-8 inches wide by 8 ft.-10 inches long and 8 ft.-9 inches high. Inside working space is 6 ft. wide by 7 ft. high and 7 ft. long. The access door is supported by, and runs on, a circular trolley rotating on three comparatively light hinges.

Chamber is designed to withstand total atmospheric pressure, and has been operated very close to that point without any difficulty or unusual deflection in the structural members.

Essentially, the chamber is an air-tight inner shell supported on the outside by channel irons welded to the shell. This type of construction affords an inner working space free from structural members. This chamber is the largest ever built with a rectangular shape throughout. Such a shape was necessary because of the limited space available for its installation.

In each wall and the door is an observation window consisting of thick glass, to withstand the pressure, and multiple layers for heat insulation. Chamber walls are insulated and hermetically sealed.

Temperatures within the chamber can be controlled by means of electrical heating elements and refrigeration equipment. Humidity likewise is controllable. Vacuum is obtained by use of two pumps.

Scintilla now is equipped to test its complete ignition systems in the same conditions under which they will be used, whether they are destined for the steaming jungles of the tropics or the sub-zero of the stratosphere. Our Stratosphere Chamber is another step in our never-ending quest to "Keep 'Em Flying."

CLIMATE MADE TO ORDER is the product of our new Stratosphere Chamber, pictured above. View at left shows front of chamber, with door closed. Center view takes you inside the chamber, demonstrating how complete ignition system may be installed for testing under any desired climatic or atmospheric condition. Right-hand view provides a look at some of the various dials and calibrating instruments used in determining results of tests.

Little Theater Contributes 60,000 Cigarettes

Erling F. Hellan, President of the Scintilla Little Theater, announces that 50,000 cigarettes were purchased from the receipts of the "Ghost Bird," and delivered on the battlefield to U. S. soldiers returning from active combat. This arrangement was made with the Liggett & Myers Tobacco Company, who added 10,000 cigarettes to the quantity purchased, making a total of 60,000 delivered. A check in the amount of \$125.00 was drawn in favor of them in full payment of this service.

The net profit from the production of the "Ghost Bird" was \$669.09 and, since so many men from Scintilla are in the armed forces at the present time, the delivery of a worthwhile gift to each former Scintilla worker in the Service was discovered to be impossible. Therefore, the group voted and decided that the receipts from the next production of the Scintilla Little Theater should be added to the balance of \$544.09, at which time the total amount of money in the treasury would permit the selection of suitable gifts. Mr. Hellan requested that anyone having a better plan for distribution of these gifts please contact him, and he will place all suggestions before the club.

"I'm In The Army Now," which was previously announced as the next production of the Little Theater, has been abandoned, and the group is now rehearsing "The Philadelphia Story." All those interested in taking part in this play are invited to do so.

The SCINTILLATOR

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May, 1943

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The Cover

This month's cover photo, illustrating the "Back Up Our Battleskies" theme, is published through courtesy of Lockheed Aircraft Corp., Burbank, Calif. It shows a flight of Lockheed Lightning P-38's, warriors of the skies equipped with Scintilla magnetos.

Sub-Contracting

By Steve Egnaczak

Mrs. Elsie Osborne, from Scheduling Division, is leaving our employ, after five years with us. We wish her health and prosperity . . . and we'll all miss her cheery smile.

C. E. Fletcher, a former expeditor, dropped in recently for a visit, and he looks swell. He is an Aerial Engineer in Uncle Sam's Army and likes it. Enjoys his copies of the "Scintillator," and wants letters from everyone. Address available from Steve Egnaczak.

Report of Cost, Contributions and Expenditures of USO Program-Management Committee

Jess Howes, General Contractor

Heating	\$2,632.77
Carpentry	1,349.00
Boiler room and pit	412.75
Orchestra stand	77.61
Painting	535.49
Plumbing	362.12
Sanding	129.00
	<u>\$5,498.74</u>

C. B. Dibble, Electrical Contractor

Electrical	\$ 185.75
	<u>\$ 185.75</u>

Materials

Paint (water)	\$ 60.00
Glass	12.12
Linoleum	260.00
Linoleum Laying	98.37
Plumbing Fixtures	82.65
Locks, nails, misc.	10.41
Paint (oil)	16.50
	<u>\$ 540.05</u>

\$6,224.54

Contributions \$5,056.88

Expenditures

Jess Howes on account	\$4,000.00
C. B. Dibble, Electrical Contractor	185.75
Materials	540.05
	<u>\$4,725.80</u>

Balance on hand \$ 331.08

\$5,056.88

Indebtedness to Jess Howes, Gen'l Contr. \$1,498.74

E. M. Van Name, Chairman

NOTE: Since the above accounting, the indebtedness to Jess Howes has been reduced by \$600, thereby bringing that total indebtedness to \$898.74, as of May 20th, 1943

SUBJECT: SALVAGE WILL HELP WIN THIS WAR



LAYING PLANS for the Delaware County Industrial Salvage Program. L. to r.—K. V. Campbell, Assistant to Mr. H. Hanni, General Manager of Scintilla; F. W. Taft, Scintilla Attorney and Committee Chairman; C. T. Lovatt, Div. Rep. of Industrial Salvage Comm., War Production Board; E. Herbert, Technical Advisor, War Production Board; P. S. Anderson, Asst. Regional Chief, Industrial Salvage Branch, Salvage Div., War Production Board.

In appreciation for all the favors you extended to me during the Bond drive, I do want to say "Thank you." You were all grand in helping Uncle Sam . . . and me too. And especially to you people of the Production Lines, I do want to give my thanks for the Bond which I received from you. The entire drive was a big thrill to me and I sincerely thank you all.

Arleta Warner.

Pvt. Baldwin (from page 4)

for their extra war effort.

"You, as workers, can readily understand why the 'Scintillator' is not just a factory newspaper. There is a great volume of thought that goes along with it also."