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#### **Behind the Cover**

A significant phase of Scintilla's part in the nation's defense program is highlighted by this month's cover. Specially designed for THE SCINTILLATOR by Bob Guley of the Sales Department, it symbolizes the vital link between this plant and our country's land forces.

The product shown on this month's cover is the magneto we manufacture at Scintilla for

America's tanks.

In combat the importance of this completely dependable ignition cannot be overemphasized. Tanks and armored vehicles must advance despite hazards of terrain or enemy fire.

It is here that our Bendix Magneto Ignition demonstrates its inherent ability to "keep the engine going" under the most adverse circumstances.

In providing strength for America, you can be sure the magneto ignition that helped to bring about an armistice in Korea can be counted on to help gain the peace that is yet to be won.

The story behind the production of this vital defense equipment at Scintilla appears in this issue,



COLUMN O' TYPE celebrates a birthday this month. It was launched as a regular monthly feature four years ago and has run continuously in every issue since. "The SCINTILLATOR", itself, passed the 11-year mark at Scintilla last month.

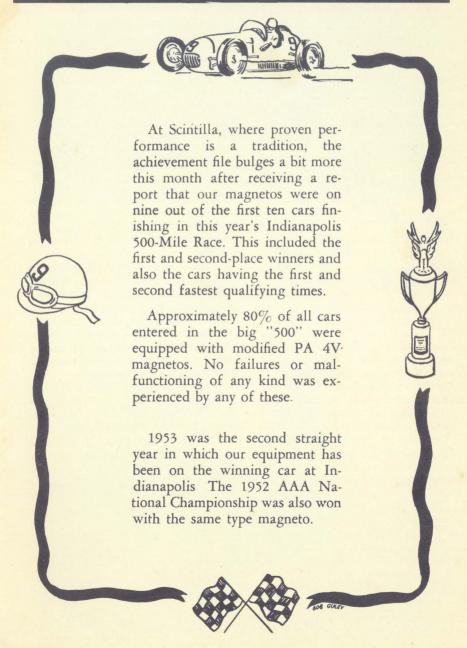
Two separate reports crossed the editor's desk this month, both underscoring the importance of a strong Civil Defense organization in an emergency situation. The articles dealt with the disaster caused by this summer's tornadoes. As we read these documentaries of destruction, the important thing that struck home was the fact that it could have happened here. Although most of us think of CD only in terms of preparation for an A-bomb or H-bomb attack, it's quite clear there's also a great need for Civil Defense in other types of emergencies, too. Who knows where disaster will strike next? If you can't answer this, better prepare now by joining your own local Civil Defense organization!

New ball point pens are being used by Scintilla as goodwill ambassadors for this Division. They are made of clear plastic, with gold-toned caps at each end. Scintilla's name and trademark are imprinted in green on the plastic portion.

#### EASTONETTES

THERE'S nothing like a picnic to mend the jaded soul; a mass retreat of joy complete appeals to young and old. . . . Plain food takes on new flavor when served in rustic ways, tho' flies adorn the salad entrapped in mayonnaise. . . . The lemonade gives up its tang to quickly melting ice and the coffee we enjoy so much never fails to perc' least twice. . . . Each frankfort wears a cinder shell from a fire that went berserk, yet it matters not to hungry totsthey relish nature's work. . . . And ants—I'll never understand how they just seem to know, the very spot we'll settle in-for there they wait in droves. ... Then, finally home—to doctor up the bee stings, cuts and bruises, and salve the work of solar rays on tiny sunburned noses. . . . No, there's nothing like a picnic among your very own, to make you marvel at the ease you live within your home.—By Ken Easton.

## Our Mags Win in Big "500"





T was the kind of day that slows things down to a leisurely pace. An assortment of street sounds floated lazily in the summer air over Oneonta's business section . . .

But Francis W. Smith — better known as "Smitty" around Scintilla for the past 17 years—only had ears for the rhythmic tap-a-tap-tap that was tiptoeing out of an open, upper story window into the street below. To "Smitty", whose school days in Morris had meant reading, 'riting and rhythm, the gentle beat of those shuffling feet was inducement enough. A few days later he arranged for his first tap dance lessons.

All of this took place 18 years ago, and "Smitty" has been doing tap routines ever since. Through the years his tap dance specialties have served as an

excellent accompaniment for his work on the drums with various weekend dance bands. For some time now he has been playing the drums and tapdancing in the floor show at a Catskill dude ranch.

"Smitty", who once had visions of going into show business, has appeared in many local shows, where his knack for comedy skits has always captured the fancy of the audience. He develops most of his own comedy routines.

A lab technician in the Engineering Department, "Smitty" is one of those rare individuals who can follow several interests at the same time and become equally adept in all. True professional form shows up in his favorite hobby—swimming and high diving. Here, once again, his sense of rhythmic timing has been a big help.

For a great many Scintilla friends, however, "Smitty" is the "watch doctor." He learned how simply by tinkering with clocks, graduating to the intricacies of watch repair as his skill increased. The first clock he ever took apart, however, never got put back together again. Fortunately, this was a clock that had been given to him-so it really didn't matter.

Someday, when he reaches his retirement years, "Smitty" thinks watch repairing will serve him well as a part time occupation. If we know "Smitty" even then he'll still be hoofing it and beating those drums—because he's the kind of person who never seems to grow old.



U. S. TANK wades ahead during assault in Korean mud. (U. S. Army Photo)

SCINTILLA's S-32 series of magnetos pack the ignition punch that enables tons of combat power to wade in and slug it out when "keep going" is a must.

Battle-proven in Korea, our magneto ignition is standard equipment on the Walker Bulldog, Patton 48 and all other American production tanks. This includes the nation's newest "fighting fort": The T43, a heavy tank that Army Ordnance has declared will outslug any land-fighting machine ever built.

The job of producing ignition for America's postwar tank designs began at Scintilla late in 1949. Even with the armistice in Korea, quantity production of this equipment is foreseen for the next year or two.

Our tank magnetos include the S4LN-32 and S6LN-32 units. These are used on Continental-designed engines built by Chrysler, Lycoming and Continental. One type of engine uses four of the S6 magnetos, while two other types use two. A fourth engine Continued on page 8

SCINTILLA IGNITION sparks this Walker Bulldog (T-41). (U. S. Army Photo)





FINAL INSPECTION of rotors and tank magneto housings takes place in Dept. 40. Pictured—Lynn Duncan, Hazel McCoon, Bert Jeffers and Foreman Johnny Frank.

### **TANKS**

from page 7

uses one of the S4 magnetos.

In addition to tanks, the Scintilla ignition system is also used on other government applications. This particular system is on the "Otter", the LVT (both amphibious vehicles), various artillery carriages, armored cargo car-

riers, and the dual tractors that haul the Atomic Cannon.

Scintilla's part in the production of tanks for defense doesn't stop with the ignition, however. Our Electrical Connectors are also used on the tanks, and the Ignition Analyzer is being provided to the Ordnance Department for trouble-shooting these vehicles.

The production of Bendix Magneto



TAPPING OPERATION by Doug Drumm makes pipe thread holes in housing.



EDISON SMITH is pictured as he assembles breakers in tank magnetos.



HAROLD CHAMPION, shown as he does boring operation on magneto housing.



MILLARD PORTER loads housing cover into machine prior to boring.

Ignition for tanks and other heavy duty equipment has teamed Scintilla with such prominent names in industry as Cadillac, Chrysler, American Locomotive, International Harvester, Allis Chalmers, Pacific Car & Foundry, American Car and Foundry, Massey Harris, and Ingersoll Products.

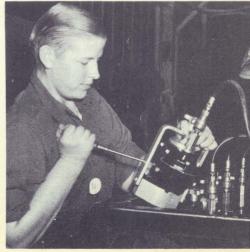
Other Bendix divisions have been working side by side with Scintilla in

the production of tank equipment. The Montrose Division produces the water-proof ignition switches, as well as a large percentage of the waterproof light control switches for tracked and wheel vehicles.

Many of the other engine accessories are manufactured by Bendix's Eclipse Pioneer Division and the Eclipse Machine Division.



JUNE TUTTLE and Wesley Howard do final assembly and inspection.



WATER CHECK by William Lindsey makes sure each magneto is waterproof.



SALES SIRENS: First Row—Bety Huyck, Dawn McEligot, Terry Ashley, Helen Cribbs, Dolores Aiken, Janet Krause. Second Row—Pat Moran, manager; Barbara Tacea, Lucy Paul, Alice Snyder, Carol Halbert, Beverly Carter, captain; Emily Searles, and John Turnick, assistant manager.

An exciting summer of hits, runs and *Misses* was brought to a close on August 10 by a 4-team, girls' softball league.

The girls, most of whom work at Scintilla, celebrated the close of the season with a softball banquet in the Rose Room on August 12.

League entries included The All

## Hits, Run

a



ENGINEERING SLIDE RULETTES: First Row—Audry Clark, Teresa Kelly, captain; Alberta Hesley, co-captain; Grace Elderkin, Shirley Truman, Betty Rowe. Second Row—Shirley Boes, Betty Miller, Flora Jackson, Betty Gilbert, John Ernest, manager; Frances George, Mary Sands, and Joyce Budine.



THE SNOZAMAS: First Row—Barbara Roelle, Arlene Martin, Wilma Breslin, Mary Sparaco, Joan Goebeler, captain. Second Row—Beverly Cameron, Inez McCumber, Janet Wilber, Art Belcher, manager. Third Row—Christine Scrivner, Joyce Oliver, Charlotte Halbert, Linda Salsberg, Leona Dibble, and Leola Dibble.

# nd Misses

Stars, captained by Janet Miner, sponsored by Kent's; The Snozamas (that's Amazons spelled backwards), captained by Joan Goebeler, sponsored by Western Auto; Sales Sirens, captained by Beverly Carter, sponsored by Rosalyn Shop; and Engineering Slide Rulettes, captained by Teresa Kelly, sponsored by Nick's Lunch Bar.



THE ALL STARS: First Row—Martha Harder, Trudy Baker, Janet Miner, captain; Rita Leonard, co-captain; Nancy Barnard, Anthony Donaloio, manager. Second Row—Helen Riesen, Elsa MacDonald, Doris Olsen, Ida Mann, Marie Peck, Jackie Shields and Frances Shaw. (Absent—Kay Redman, Becky Fuller, Barbara Cacciottoli).

#### Chest X-Rays At Scintilla This Week

A four-day Chest X-ray Program, starting August 18, will be carried out at Scintilla this month, according to Martha Dwyer, R.N., supervising nurse of the Medical Department.

The survey, similar in scope to the one held at Scintilla two years ago, will be conducted by the Delaware County Tuberculosis and Health Association. Approximately 4,700 employees are expected to be included in the survey, compared to the 3,854 employees who received the free X-rays in 1951.

The X-rays will be taken by trained technicians in a mobile unit just outside the entrance to the East Clock Area.

#### State CD School Trains Five More Scintilla Men

Five additional Scintilla men this month were graduated from the State Civil Defense Rescue Training School in Albany.

The five men completed a two-week course in the essentials of disaster rescue operations on August 7th.

They are William Meehan, Stock S; Louis Mazzarella, Dept. 11; Robert Crandall, Dept. 32; Robert Atkinson, Stock CC; and Thomas Tompkins, Dept. 30.

The first group of Scintilla men to attend the State school completed their training on June 4th. A local rescue training program will be inaugurated by Civil Defense in the near future. A special notice calling for volunteers from Scintilla appears elsewhere in this issue.

#### Two Scintilla Men Retire

Two Scintilla men retired last month. They are Edward A. Jacobson, who retired on July 28th, and Howard Waterman, who retired on July 14th.

Mr. Jacobson, a member of Dept. 99, had worked at Scintilla over 25 years. Mr. Waterman, who came to Scintilla in 1942, was a member of Dept. 41. Prior to leaving the plant, both men received the good wishes of their co-workers here.



Mr. Jacobson



Mr. Waterman

#### Bendix Aviation Trophies Awarded To Glider Champs

The Eclipse Machine Division of Bendix Aviation Corporation has again awarded its gold, silver and bronze trophies to the three top distance glider pilots participating in the 20th national soaring contest at Harris Hill, 5 miles from Elmira.

Dr. Paul MacCready, Pasadena, Cal. meteorologist, won the Bendix gold trophy for flying his motorless craft 225 miles from Harris Hill to Simsbury, Conn. MacCready also took top honors in the competition, scoring 1,889 points during the 10-day contest in July.

The Bendix silver trophy went to Paul Schweizer, glider manufacturer, who soared 204 miles to Hicksville, N. Y., and the Bendix bronze award was won by William Coverdale, a steel salesman of Chattanooga, Tenn., who flew 195 miles to Woodlawn, Md., near Baltimore.

## Department 33 Holds Picnic

The second shift of Dept. 33 held an outdoor picnic at Gilbert Lake State Park on June 21st. Thirty-five attended, including children of employees. The entire day was spent in swimming, eating and playing games.



BRIDE AND GROOM-TO-BE are pictured at office party given in their honor.

#### Prod. Planning Honors Office Couple at Party

In celebration of their coming wedding, Miss Violo Gossoo and Norman Marks, both of whom work in the Production Planning Office, were guests of honor at a dinner party in the Hotel DeCumber on Saturday, August 1st.

Fellow workers presented the young couple with a beautiful coffee table. Mr. Clinton Taylor, production planning supervisor, made the presentation on behalf of the office personnel.

## Bendix Division Builds New Plant

The largest single expansion of Bendix Aviation Corporation's North Jersey manufacturing facilities since 1942 has been announced in Teterboro by Raymond P. Lansing, Bendix vice president.

A new building, adding 103,250 square feet

to the Eclipse-Pioneer Division of the Corporation, will be constructed at the Bergen County Industrial Terminal to relieve heavy pressure on the Division's main manufacturing plant located nearby on Route 6, Mr. Lansing said.

Eclipse-Pioneer, world's largest producer of aircraft instruments and accessory products—including automatic pilots, flowmeters, starters, generators and similar devices—has increased production to more than 700 per cent of its June 1950 level, the Bendix official explained.

This increased output required six smaller plant expansions in the Teterboro area as well as establishment of new facilities in Eatontown, N. J., Utica, N. Y., and Davenport, Ia.

#### Men Wanted For Plant-CD Rescue Teams

Volunteers from Scintilla have been requested to serve on three Civil Defense rescue teams to be organized within the plant.

Two of the 10-man teams will function during the first shift, while a third will operate on the second shift.

Each volunteer will receive special rescue training through the local Civil Defense organization. Members of the three teams do not necessarily have to live in Sidney.

Interested plant personnel may volunteer by leaving their names and clock numbers at the Safety Office.

#### Scintilla Men Plan Trip To Nat. Convention

Scintilla's Supervisory Forum will be represented at the annual convention of the National Association of Foremen in Milwaukee next month.

Robert Doud, president of the Forum, and Gary Gray, past president, will fly to Milwaukee on Sept. 23rd to take part in the association's meetings on Sept. 24th and 25th.

Mr. Doud this month announced the appointment of several committee chairmen for 1953-54. They were named as follows: Sick and Goodwill, Thomas Kreutz; Clambake, Johnny Frank; Christmas Dance, Charles Burdick; Membership, John Davidson; and Entertainment, Ellsworth Griffin

The Forum's annual clambake will be held at the Canasawacta Country Club, Norwich, on Sept. 13th, Mr. Doud said. Al Hoegger is in charge of ticket sales.

In terms of the 1939 dollar, domestic airline fares are 40% lower to-day than in 1939.

To overcome effects of air friction at high speeds, a refrigerating system in a modern jet fighter must have a freezing capacity equal to 176,000 ice cubes a day.



NORTH CAROLINA viewed from a mountain top is pictured in this photo taken by Harry Earl, Scintillator Photographer, during his vacation this year.

YOUNG LAD with the winsome smile is David Harrison, 4-year-old son of Mr. and Mrs. J. D. Harrison. His father is a member of Department 99.

LAURIE BEEBE, cute 2-year-old charms a couple of animal friends. Her parents, Ann (Dept. 17) and Reg (Dept. 99) both work at Scintilla.







A VACATION in Canada last month produced this string of fish for Doug and Norm Meagley, sons of Mr. & Mrs. Norman C. Meagley (Scintillator Photographer).





CIVIL DEFENSE officials are shown here with representatives of village, town and county following inspection of State Rescue Truck in Sidney recently.

# Local Civil Defense Organization to Receive Loan of Rescue Equipment from New York City

Arrangements have been made with the New York City Office of Civil Defense for the temporary loan of a complete, 85-piece set of rescue equipment, according to Francis M. Parent, director of Civil Defense for the Town of Sidney.

The equipment is being received on loan so that the local CD organization can begin an immediate rescue training program, Mr. Parent said.

Mr. Parent, along with Raymond Laraway and William Bure, is presently formulating training plans which will be put into effect as soon as the rescue equipment is received.

Three teams of Scintilla men will be the first

to receive Civil Defense rescue instruction, following which town and county teams will be organized.

Action on the purchase of a 4-wheel drive Power Wagon for CD rescue work in the county was scheduled to be taken at the August 10th meeting of the Delaware County Board of Supervisors.

The truck, which comes complete with rescue equipment, would op-

LOST: Black and Gold "Paper Mate" pen between Production Central File and telephone booths in Main Clock Area. Finder please return to Ruth L. Herdeker, Production Central File. erate on a county-wide basis. It would be manned by the ten CD men who have recently graduated from the State Rescue Training School in Albany.

In July, Mr. Parent was accompanied to the Board of Supervisors meeting by George E. Steiner, general manager of Scintilla, and Joe Bazata, recently appointed head of the auxiliary police unit in the Town of Sidney.

Films of disaster and rescue training operations were shown by both Mr. Steiner and representatives of the State Rescue Training School. The two State representatives present were Vincent O'Connor and Frank Provone.

#### **Nine Scintilla Promotions Are Announced**

Recent promotions have been announced at Scintilla as follows:

Howard B. Witter—promoted to Foreman of Service Repair.

Howard Osborn—promoted to Assistant Supervisor, Service-Engineering.

Donald Douglas—promoted to Engineering Representative.

Harald Mainusch — promoted to Project Engineer.

Ralph Stamps—promoted to Project Engineer.

Maurice Burgher—promoted to Staff Engineer.

Judson C. Cole—promoted to Staff Engineer.

James J. Logan—promoted to Staff Engineer.

Robert F. Pooler—promoted to Supervisor, Service-Sales Spares.



Mr. Douglas



Mr. Burgher



Mr. Witter



Mr. Logan



Mr. Stamps



Mr. Pooler



Mr. Mainusch



Mr. Cole



Mr. Osborn

## BARTER COLUMN

A service for employees of Scintilla Magneto Division, conducted without charge. All articles advertised must be the personal property of the employee. Ads of a commercial nature are not acceptable.

- FOR SALE: One pair of ladies' roller skates, size 8. Phone Sidney 2713.
- FOR SALE: Camp site on East Masonville Pond; also have a 21' Vagabond Trailer. Will sell both, or separately. Charles Ryder, 2 High St., Afton.
- FOR SALE: Coal fired furnace, complete with pipes and five registers; also bucket-a-day stove, complete with tank, copper pipe and fittings. Heatrola (coal or wood), suitable for garage or couple of rooms. John W. Kehr, Franklin Rd., Unadilla.
- FOR SALE: Eight-room house, with concrete basement, hot and cold water for laundry, steam heat, two-story barn (room for two cars) and new screenedin sun porch on rear. A well-kept home for someone. Frank R. Todd, Phone Afton 7-1411.
- FOR SALE: Baby crib and mattress, in very good condition. Phone Unadilla 3954 after 4 p.m.
- FOR SALE: 62-acre farm, 2 miles from Bainbridge on hard surface road. House exceptionally good, with hot water heating system, modern bath, hard wood floors and garage in cellar. Phone Oxford 8-2971.
- FOR SALE: Mossberg .22 Rifle, in good condition, \$25.00. Floyd A. Tuckey, Jr. Phone Sidney 5876 after 4 p.m.
- FOR SALE: Seven-acre place 11 miles from Sidney on good hard road. House has six rooms and bath, spring water, oil heat. Garage, with place for chickens upstairs. Will sell furnished or unfurnished, very reasonable price. Chris Madsen, R. D. 2, Unadilla.
- WANTED: Indian Arrow Heads. Stanley

- W. Scutt, 216 Johnston Circle. Phone Sidney 8062.
- FOR SALE: Two accordions, both in good condition, beautiful tone. George Roscoe, 2 Willow St. Phone Sidney 4924.
- FOR SALE: Hart and Crouse 22" hot air furnace for five or six rooms; complete with thermostat and automatic draft controls. In good condition. H. Lawrence, Martin Brook Rd., Unadilla. Phone Unadilla 2127.
- FOR SALE: Medium drag for horses or tractor, horse-drawn cultivator, wagon with steel frame and box (tractor drawn); will sell cheap. Also, gas stove with oven, \$25.00; garden cultivator (new), cost \$14.95, will sell for \$10. Leon Waters, Phone Oneonta 685J.
- FOR SALE: Beagle puppies. Madolyn C. Bower, Greene, N. Y.
- FOR SALE: Andes Conservator coal or wood heater, in excellent condition. Also, electric hot plate with grill. Phone Sidney 3226.
- FOR SALE: New bungalow, four rooms and bath. Everett Van DeBogart, Sidney Center, N. Y.
- FOR SALE: Ohmer Cash Register, electric, in A-1 condition, \$85.00. Cliff McPeek, 209 Johnston Circle, Sidney.
- FOR SALE: 1952 Schutz house trailer; 35' long, has two bedrooms. Will trade for furniture. Phone Bainbridge 2142.
- FOR SALE: New 4-room house, with expansion attic. Located in Bainbridge. Phone Bainbridge 2692.
- FOR SALE: Hotpoint washing machine and mixing faucet. Will sell cheap. George Mansfield, Phone Morris 161.
- FOR SALE: Boy's bicycle, 28", nearly new. George Sprague. Phone Sidney 3228.
- I wish to thank The Management for the lovely sunshine basket, the members of Dept. 48 (first shift) for their gifts and all those who sent cards during my recent stay in The Hospital, Sidney.—Catherine F. McElroy.
- I would like to express my thanks to my friends on Line 48 and in Dept. 81 for their expression of sympathy at the time of our recent bereavement.—Annice Garrison.
- I wish to express my sincere thanks to The Management for the sunshine basket and also my co-workers for their cards during my stay at the hospital.—Louis Mazzarella.



## plan your moves

#### with this

#### **SAFETY CHECKerboard**

1. Plan to dress according to the job: No long neckties, rings or watches around machinery; sleeves short or buttoned close to the wrist. Wear protective equipment whenever necessary.

Don Wood, Dept. 29



3. Plan to keep horseplay out of the shop. A practical joke isn't so practical when it results in personal injury to someone. Give your job the serious attention it deserves.



Bill Armour, Dept. 16 and Sam Jackson, Dept. 7

2. Plan to lift properly, using leg muscles — not your back. Get help on awkward or heavy objects, and wear gloves when handling materials that are likely to cut your hands.



4. Plan to use files, wrenches, chisels and other small tools the safe way. Never hammer or pry with a file; keep heads of chisels dressed. Keep tools in a safe place when not in use.

Lynn Baker, Dept. 12 dresses head of chisel.



6. Plan to observe all safety rules and pay attention to signs. Remember that safety regulations are for your protection. Heed them well and do as they say.



5. Plan to maintain a clean work area at all times. Keep floors clear, clean up oil and grease, and dispose of waste in proper containers. Help your department to have good housekeeping.





25 Years Julian MacDonald Dept. 31 August 4



25 Years Herman Keller Dept. 2 July 31



25 Years Arthur Hoegger Dept. 11 July 27



25 Years Raymond Hatt Dept. 26 July 2

Celebrating Ten Years of Service with Scintilla

	Dept.	Anniversary
Name	No.	Date
Barbara Banks	10	July 15
Walter E. Cairns		
Gorton E. Tinklepaugh	26	July 10
Mabel Lesuer	27	July 13
George A. Smith		
Erma S. Davenport		
Paul I. Boyd		
Anna M. Donofrio		
Lydia B. Finch		
Viola France		
Ethel Travis		
Viola Parker	38	July 5
Edna S. Sargent	39	July 10
Margaret Ostrom	41	July 15
Margaret Young	47	July 5
Elva S. Storrer		
Edwin Ackley	99	July 16
Albert George Bye	99	July 10
Ida M. Dunbar		
Mary Secrest	99	July 10
Mary Norton		
Charles H, Walsh	90	July 2
Robert C. Whist		

SCINTILLA MAGNETO DIVISION
BENDIX AVIATION CORPORATION
P. O. BOX 188
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