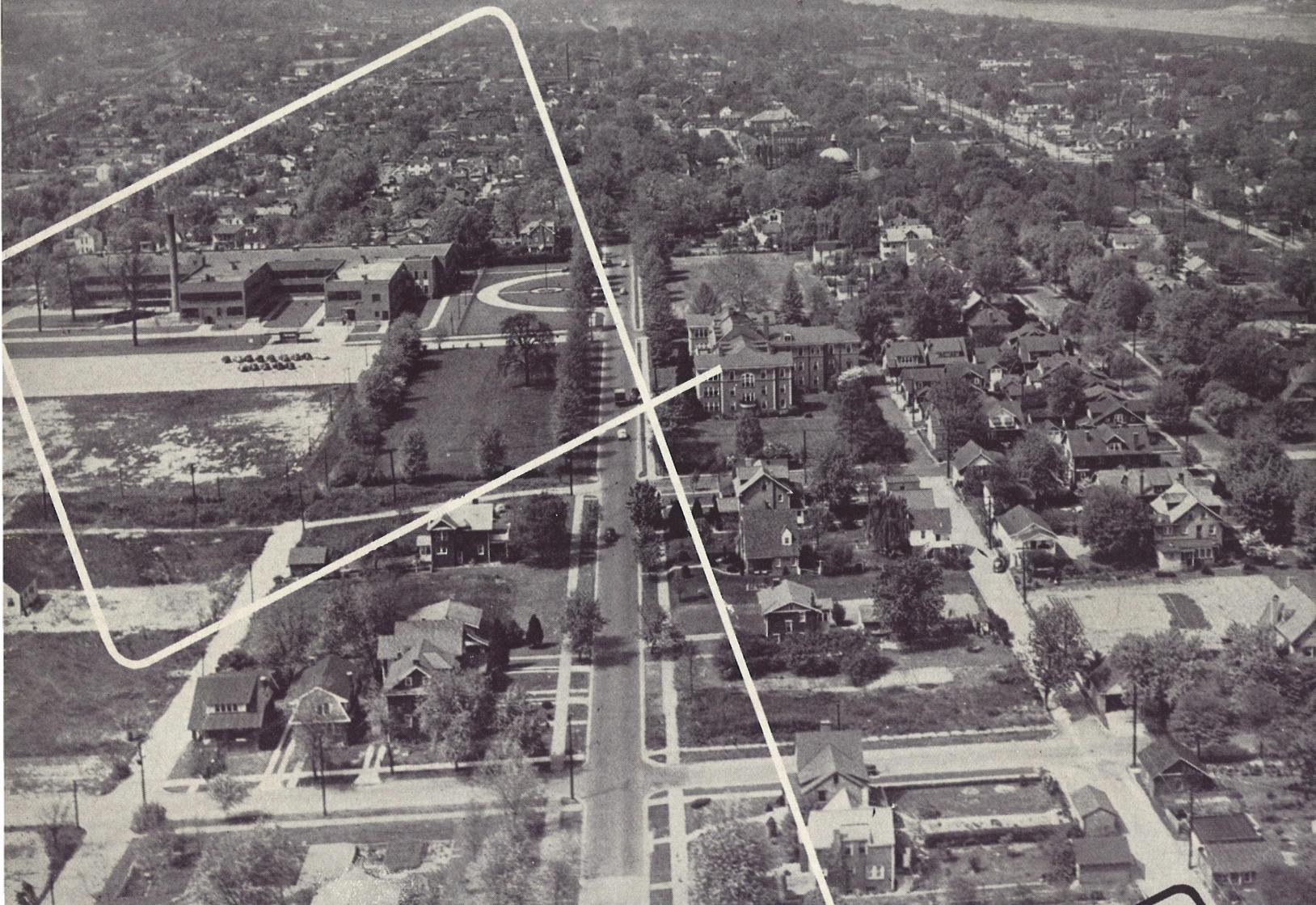
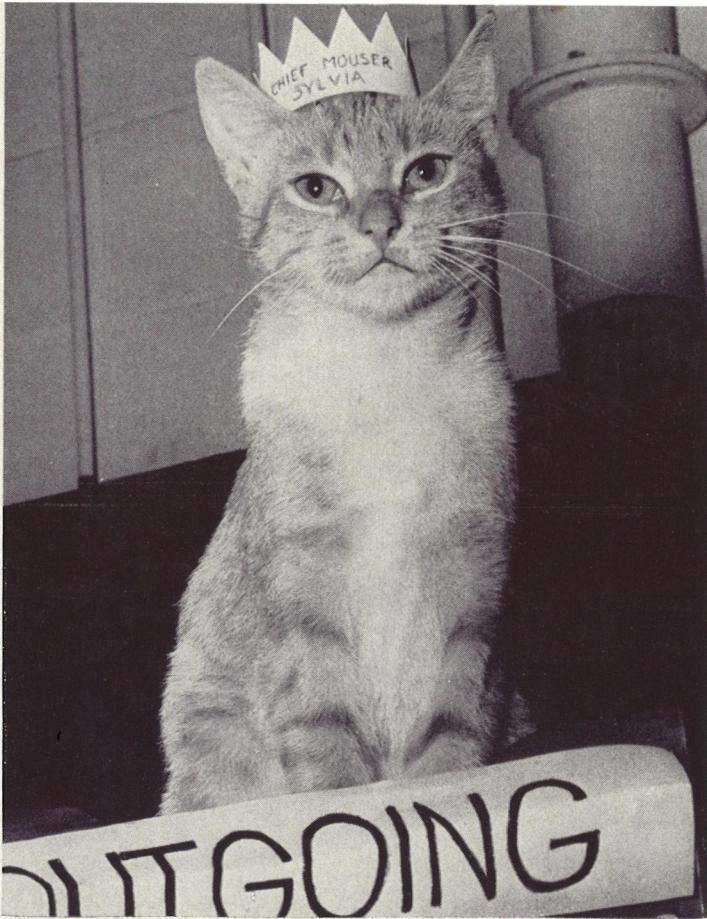


# *The* **SYLVANIA BEAM**



NOVEMBER, 1947    VOL. VII    NUMBER 10

**SYLVANIA**  
IN HUNTINGTON  
WEST VIRGINIA  
PAGES 3-4-5



Photos by  
Larry Ankerson

## WHO IS SYLVIA?

By Vera J. Schubert

"Who is Sylvia, what is she?" In the leaner days Sylvia was just a forlorn mass of bones covered by a moth-eaten coat of red fur. Now she's a respectable looking cat, adopted mascot of the Flushing Research Lab. The story of Sylvia's rise from a bedraggled orphan to Chief Mouser of the Sylvania Lab is remarkable to say the least.

Sylvia's first appearance at the lab's threshold coincided, strangely enough, with the lunch period. Bits of cake and a saucer of milk were offered—that, of course, was the beginning of daily visits which eventually stretched into a permanent stay. Lab members soon became accustomed to Sylvia's

(OR A FURRY TALE)

purry greeting each morning. As her general appearance became less obnoxious, her sense of adventure also returned. Softer corners for catnaps were sought, and cushioned chairs became a temptation. Rules and regulations had to be enforced, however, when she staked claim to the outgoing mail tray atop THE BEAM Reporter's desk! If her mousing technique continues to improve, she might pussy-foot her way onto the lab's payroll.

Some of the engineers are having difficulty explaining to their wives the red hairs on their suits . . . especially when they come back with, "Oh that, why they're only Sylvia's"!

### A BORED MONARCH

The yawn was authentic, "Sylvia" had just been aroused from an afternoon siesta. As for her crown maintaining its equilibrium all through that yawn, photographer Larry Ankerson accomplished it with the aid of a rubber band tucked beneath her chin.



# On the Beam

## SYLVANIA NEWS LETTER

**HOW'S BUSINESS?**—The nine months' results of Company operations are shown in the Earnings Report on Page 16. This report shows that in spite of large sales it is hard these days to make money. Material costs and labor costs have gone up faster than prices in the businesses in which Sylvania operates. So far this year, Sylvania has made a little less than 3¢ profit on every dollar of sales. In 1940 profits ran over 6.1¢ on each dollar of sales.

**FOREIGN SALES** which were \$3,276,000 in 1946 and \$1,400,000 in 1945 are expected to set a new Company record in the neighborhood of \$7,500,000 for 1947, according to Walter A. Coogan, Director of the International Division. An interview with Mr. Coogan on his recent European trip appears on Page 7.

**CLOSE TO 17,500,000 RADIO SETS** will be sold in the United States in 1947, an all-time record, and 1948 should be another excellent year, the Sales Research Dept. of the Company estimates.

**A COMPANY-WIDE INVENTORY** was taken the end of October. This will help cut down the year-end rush in late December and should enable the Company to issue its Annual Report earlier in 1948 than in 1947.

**WIFE OF SYLVANIA ENGINEER WINS**—takes all. Mrs. Robert Booth, whose husband is an engineer at the Sylvania Flushing, N.Y.

Research Laboratory, won about \$3000 worth of jewelry, clothes and household furnishings on the CBS program "Winner Take All." She won 14 straight "rounds," beating other quiz contestants (mostly men) for nearly a week. An almost endless list of prizes is now arriving at her Brooklyn home;—includes diamond ring, gowns, dresses, radio, kitchen equipment, a suit for her husband, furniture, etc., etc. Mrs. Booth studied English, physics and electronics at Barnard, Brooklyn College; and at Harvard and M. I. T. during the war when she was a WAVE. She has traveled from Europe to Honolulu; once worked on the San Francisco News.

**WILLIAMSPORT ELECTRONICS PLANT TO CLOSE**—Because of reduced demand for certain types of specialized electronic equipment, the manufacturing activities of the Williamsport Electronics Plant are being transferred to the Division's headquarters plant in Boston. The Williamsport Plant will be closed in the next few months. About 165 people are involved. The plant was opened originally as an industrial apparatus plant in connection with war production.

The change will not affect the Company plant in nearby Montoursville, Pa., which is now being converted from radio tube production to the manufacture of photo-flash lamps for Wabash Corp., a Sylvania subsidiary. Photoflash operations are expected to continue in Montoursville on a gradually expanding scale.



**CHANCE TO PHOTOGRAPH A TRAIN WRECK—**

even though a minor one, came to BEAM Photographer William G. Yoas recently. Engine 1203 jumped the track behind the Williamsport plant. Fortunately, engineer and fireman leaped to safety.

# HUNTINGTON, WEST VIRGINIA IS SYLVANIA PLANT LOCATION

## MODERN COMMUNITY LOCATED ON THE OHIO RIVER

HUNTINGTON, West Virginia, home of Sylvania's Huntington Special Tube Plant, is the largest city of West Virginia. More than that, it is one of the Commonwealth's most modern and beautiful communities. On the Ohio River in the western part of the state, it was laid out with broad

streets and avenues by Rufus Cook, a Boston expert brought down for the job. Collis B. Huntington, the railroad titan who founded the city, placed his name upon it and his statue now greets incoming visitors at the Chesapeake & Ohio railway station.

### Progressive City

Later arrivals kept Huntington's tradition of a first-class city. There are few skyscrapers but the stores are modern and fully stocked. Some have all glass fronts; lighting is used with skill. The Yellow taxi cabs in the streets are equipped with two-way radios—which

should warm the hearts of Sylvania employees.

Huntington has a number of large industries employing men. Like Altoona, the city has among its industries railroad car shops. There is International Nickel, American Car & Foundry, Air Reduction, Houdaille Hershey, Owens Illinois Glass and lumber factories, to mention only some of the more widely known concerns.

Sylvania is the outstanding representative at Huntington of the electronics industry. During the war peak when our Huntington plant was producing great numbers of tubes for the radio proximity fuze, employment was over 3,000 in Huntington. The present Sylvania plant, which was built and is still owned by the government, is now partly occupied by the offices of the U. S. Army Engineers.

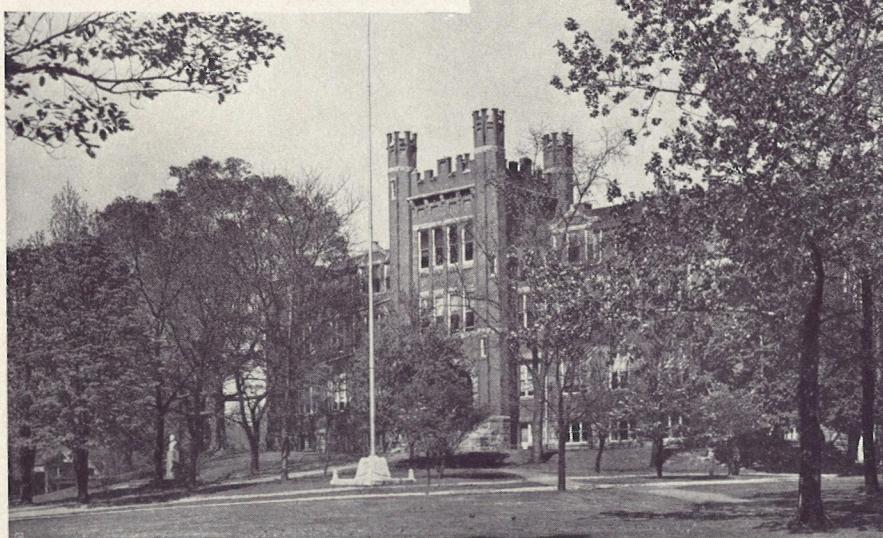
### Pleasing Climate

Huntington is the southernmost city in the East where Sylvania has a plant. The weather is pleasant most of the year (average temperature 54 degrees) and flowers bloom in the city's beautiful Ritter Park two weeks or more ahead of cities in the northern part of the state.

Natural resources of the city are bituminous coal in the nearby area and natural gas. Agriculture is important in the area with tobacco the largest cash crop. When the selling season comes, a tobacco auctioneer comes to the city and sells off the crop to the big buyers from December to February, handling several million dollars' worth of the crop. The climate is also favorable for



AT LEFT, driver of Yellow Cab receives flash over his two-way radio set. A famed Huntington landmark, below, is Marshall College campus.





**MICROSCOPIC ANALYSIS** is made in the Material Inspection Dept., l to r: Glenna Roberts, Anna Perry, Ermalee LeGrand.



**LUNCHTIME PING PONG BATTLE** between Jessie Johnson and Bernice Noble. Bernice is one of the longest term employees at Huntington.

growing sorghum, the juice of which can be made into a sugary syrup.

Huntington citizens read their own morning, evening and Sunday newspapers and listen to four Huntington radio stations, three of them network and the fourth boasting an FM transmitter.

The Sylvania plant itself is set off in a semi-residential area (see cover).

Huntington is also a university city—the home of Marshall College, named for a great Chief Justice of the U. S.

Supreme Court. One feature is a very up-to-date school of journalism whose dean is W. Page Pitt. The usual barracks are in evidence on the campus which is enjoying high postwar enrollment.

Taxes on homes are unusually low in Huntington—as throughout West Virginia, with special rates for those who live in their own homes. Perhaps as a result, 75% are owner-occupied. The Chamber of Commerce is doing its

best to attract more businesses to the area. A great flood wall, built along the banks of the Ohio following the flood of 1938, protects the city. The river itself provides an important form of transportation. People, of course, were the most important reason for Sylvania's original selection of Huntington as a plant location. And people, plus certain natural advantages, still make the community a good one in which to do business.

**AMONG HUNTINGTON'S BEST:** Holding outstanding records in the Units, Filament, Grid and Stem Depts. are, l to r: Ruth Bloss, Filament; Carole Jenkins, Grid; Doris Smith, Grid; Lavona Fry, Filament; Georgia Clay, Filament; Christine Cremeans, Units; Meda Wellman, Units; Juanita Kirk, Stem; Mary Tragdon, Stem; Edna Lambert, Stem; Carol Hayes, Stem.

**FIRST AID.** Nurse Eva June Chafin shows how she gives first aid. Carl Bechdolt, Machinist, plays the part of an injured employee.





**ONE OF HUNTINGTON'S OUTSTANDING MOUNT TEAMS.**  
I to r: Bertha Preston, Monitor; Gladys Moore, Mazeline Metz, Eloise Thornton, Dolores Williamson, Jessie Bayles, Victoria Bennett, Frances Vickers, Orlena Bias.



**ENJOYING LUNCH TIME** at the Huntington cafeteria are, I to r: Lucille Christian, Marcella Bailey, Druzella Bailey, Iris Earl, Doris Bruntly and Hazel Bailey. Marcella and Hazel are sisters. Druzella is a cousin.

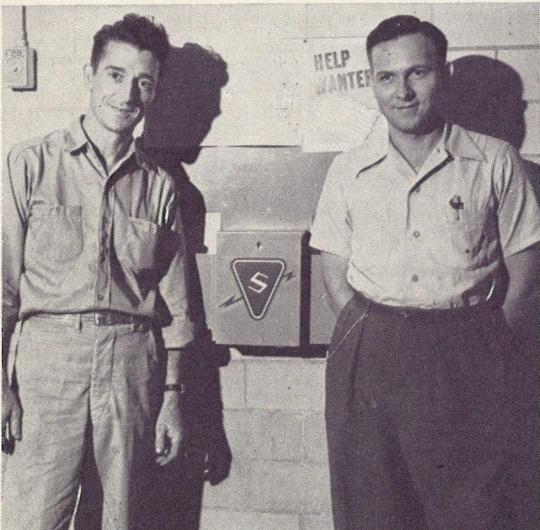
### HUNTINGTON PLANT TO MAKE SPECIAL TUBES

New orders for special type radio tubes from commercial, industrial and government sources, plus the fact that such tubes are made better in a plant that is not already occupied in mass-producing a large volume of standard type tubes, are bringing a new spirit

and feeling of permanence to Sylvania's Huntington, W. Va. Plant. The decision to make special tubes at Huntington was announced by H. Ward Zimmer, Vice President of the Radio Tube Division, in several meetings with members of supervision at

Huntington last month. The announcement brings to an end a period of shutdowns and uncertainty. To meet the technical needs of this program, the engineering department is being expanded by adding new personnel and by the transfer of men to Huntington from other Sylvania plants.

**HOW TO WIN \$25.** Homer Marcum, left, devised a cut-out for a burner and William Jackson suggested a stem straightener. Each won \$25 under the Huntington Suggestion System.



**THEY COVER HUNTINGTON FOR THE BEAM.** L to r: David C. Gabriel, Employee Interviewer; Betty Jordan, Mounting Dept.; Eileen Billups, Mounting Dept.; Mary Strode, Stem Dept.; Eleanor Withrow, Finishing Dept.; Ruth McLaughlin, Grid Dept.



# INQUIRING REPORTER

**Question:** "It has been said that a person's major interest outside of work is an index of character. What is your major outside interest?"

**The Place:** Huntington.

**The Answers:**



**VINT JORDAN:** "I like dogs. I've got three cocker spaniels at home. I have bred them, of course, and trained them, too, and will start again soon. During the war I was working 80 to 90 hours a week and had no time for them."



**MCCELLAN JARRELL:** "About the biggest interest I have is working around the house. I paint, cut the grass, have a little garden. I like it fine and of course you have to like it, too."



**PATTIE PANCAKE**, Invoice Clerk: "Having a good time, I guess. Going to ball games of Huntington East and Huntington Central High and Marshall College and then going to dances after the football games."



**GOLDIE TONEY:** "I like dancing and swimming and skating at the roller rink over at Ashland, Ky. I like ball games, watching the Huntington team."



**MARY SHOCKEY:** "Outside of keeping house for my family, I would say roller skating. My husband is really an expert and we go down to the rink in Ashland. It is good exercise—about the only exercise I get."



**1. RUFUS SCHRAGER**, Emporium, receives his \$250 check from Plant Manager George B. Erskine for a new tool design. Others in the group are, L to R: Rockwell O. Bishop, General Foreman Machine Shop; H. G. Kolpien, Secretary, Suggestion Committee; Herman Melzer, Manager, Mechanical Development Plant.

**2. CLAUDE L. MILLER**, Emporium Production Development Dept., who won \$35 with his suggestion of an additional oven for annealing 1229 bulbs. **3. THOMAS A. NEWTON**, Emporium Filament Dept., won \$95 for suggesting wire supports for heater coating machines. **4. MRS. BLANCHE REGECK**, Production Development, Emporium, was \$62 winner with a new way to make 1229 type tubes.

## WINS \$250 WITH FIRST IDEA

By H. G. Kolpien

Rufus Schrager, tool and die maker in Emporium's Machine Shop, won \$250 with the first idea he dropped in his plant's suggestion box. His idea was a design for an abrasive tool to make burr-free apertures. He submitted the design after the Parts Dept. had tried and discarded a number of methods.

Rufus' contribution eliminates shrinkage parts, shortens deburring operations and cuts tool costs. An appreciable savings has already been realized.

Fourteen years with Sylvania, Rufus

is married, has a boy and two girls and their home is in Emporium. The stocky designer likes to hunt and fish but says he still has his first deer to bag. He has deposited his award money in his savings account but may withdraw just enough to buy a new hunting rifle.

He is one of five brothers working for Sylvania in the Emporium Plant. The others are Carl and Frank, Factory Maintenance; Philip, Machine Shop and Nick, who works in Production Development.

## SUGGESTION WINNERS

**IPSWICH.** Henry Giovannacci, ID, \$75; Harold Blaisdell, IM, \$15; Fred Mackinney, IE, \$10; Lester Blaney, SA, \$10; IE, \$3; Napoleon Gagnon, IM, \$10; Richard Courage, SA, \$5; Adrien Benjamin, SA, \$5; SA, \$3; Edward Leach, SA, \$5; Robert Campbell, IE, \$5; Harold Riley, SA, \$3; Henry Cowles, SA, \$3; Larry Tremblay, SA, \$3; Secondo Gentile, ID, \$3.

**BOSTON ELECTRONICS.** Karl Ricker, IM, \$10; Madeleine Gilligan, SA, \$5; John Martin, SA, \$3.

**WARREN.** Laurence R. Green, IE, \$10; Ruth Seymour, IM, \$10; Don R. Keller, SA, \$5.

**EMPORIUM.** Rufus Schrager, IM, \$250; Claude L. Miller, I, \$35; Thomas Newton, IE, \$35, AA; IC, \$3; Blanche Regec, IE, \$27, AA; Rex Waddington, IM, \$12; I, \$5; Ruth Ingram, IM, \$10; SA, \$3; Amy Tompkins, GH, \$9; Norma D. Hickoff, IC, \$6; Mary E. Minard, IM, \$5; Daniel A. Shirk, SA, \$5; Donald Kerr, SA, \$3; Frances Puhl, SA, \$3.

**HUNTINGTON.** Homer Marcum, IE, \$25; William Jackson, IE, \$25.

IC, Improved Conditions; IE, Improved Equipment; ID, Improved Design; IM, Improved Method; I, Improvement; GH, Good Housekeeping; SA, Safety; AA, Additional Award.

# ORGANIZATION ANNOUNCEMENTS



**MR. DON P. CAVERLY**, (top left), is the new manager of the Commercial Engineering Dept., which includes activities of the Lighting Center in New York. He was previous head of Lighting Sales. **MR. HERBERT EHLERS**, (center), formerly at Emporium has become Manufacturing Manager of Special Tubes with headquarters at the Huntington Plant. **MR. WALTER A. WEISS**, (top right), recently appointed Plant Manager at Emporium Receiving Tube.

MR. GEORGE L. LOOMIS has been appointed Manager of Product Engineering for the Receiving Tube Division. He succeeds Mr. Herbert A. Ehlers who has undertaken new duties.

MR. E. A. GUNNING has been appointed Supervisor of Product Engineering at the Mill Hall Plant, reporting to Mr. Henry G. Hartwell, Manager.

MR. GORDON KLOCK, formerly Supervisor of Production Control, has been appointed Manufacturing Superintendent of the Emporium Receiving Tube Plant.

\* \* \*

MR. STEWART M. CUNNINGHAM has been appointed Supervisor of the Kew Gardens Laboratory Office.

MR. PAUL PETERS, Foreman of Receiving, Shipping and Material Inspection, will report to Mr. Cunningham. These announcements were made by Mr. George T. Gunnell, Manager of Production Development.

MR. ARTHUR G. SATTLER has been appointed Supervisor of Accounting for the Central Engineering Laboratories at Flushing, N. Y. This is the post formerly held by Mr. Stewart M. Cunningham.

## MAKES REPORT ON EUROPEAN CONDITIONS

"The Marshall Plan properly administered will definitely bring about an export boom besides being excellent insurance against future war," asserted Walter A. Coogan, Director of the International Division of Sylvania Electric Products Inc., after his recent return from his second European trip within six months.

In the interests of Sylvania, Coogan visited Italy, France, Switzerland, England, Ireland, Belgium, Norway, Sweden, Holland and Denmark.

Coogan went on to say that while it may be difficult to handle the Marshall plan in some countries, it is a necessary step, which can be administered most efficiently by an intelligent Central Bureau composed of trained businessmen who will decide how best to spend money for each country in the light of each country's different problems.

### Germany Must Produce

It is his opinion that the resurrection of Germany must be part of the Marshall Plan. He pointed out that while it may not be advisable for Germany to get back to her pre-war status as manufacturer of heavy machinery and chemicals, she should again produce a large volume of coal and steel and should also be allowed to manufacture light items, such as precision instruments. This will enable her to engage in trade with the other European countries, thus helping to balance European economy.

The execution of the Marshall Plan in France, according to Coogan, will involve a four-fold problem: First, the Communist element must be combatted. Second, the black market, which is the real and only market, must be cleaned up. Third, labor must get back into the mood to work, for during the war French labor learned to work on a "slow-down" basis and manufacturers now have the problem of getting back to normal. Fourth, graft is rampant and often bribes are necessary for procuring import permits.

### Italy Slips Back

Mr. Coogan reported that Italy has slipped backward since his last visit there several months ago. He attributed this to a shortage of raw materials, frequent strikes, the drought, black market activity, and lack of foreign exchange except Swiss francs (this exists because of a compensation agreement between Switzerland and Italy). He pointed out that the administration of the Marshall Plan in this country should involve shipping them machinery and raw materials, so Italian factories can turn out goods for export and get started on a recovery program.

In Belgium Mr. Coogan noted an improvement in conditions relative to building materials and modern electrical equipment. He explained that exports from the Belgian Congo bring dollars into Belgium, thus saving this country's economy and making U. S. dollars avail-

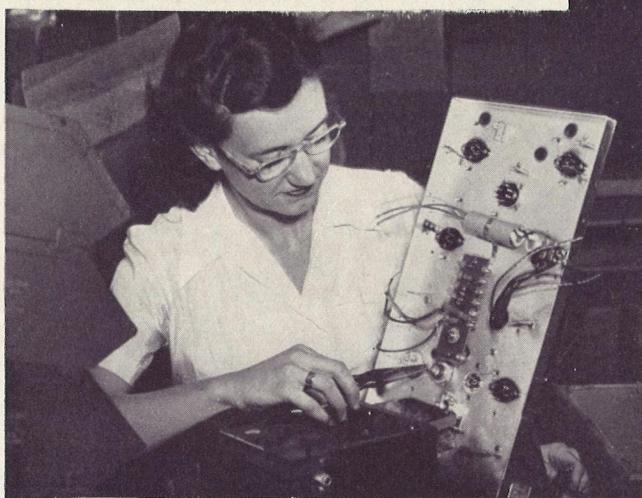
able for purchasing American goods. "Other factors which help in Belgium," Mr. Coogan added, "are the industry of the people and a good government." Apropos of the Belgian government, Mr. Coogan noted that if cigarettes—or other items—get started on an upward spiral, the government buys enough cigarettes abroad to flood the market, thus holding the price down.

"Denmark," Mr. Coogan said, "would be an easy country to put in shape under the Marshall Plan." He pointed out, however, that Denmark desperately needs foreign exchange to import fertilizers and fodder cakes, so necessary for this farm and dairy country. At the present time, Mr. Coogan added, much business is done by barter agreement with 17 countries—for example, Holland buys Danish dairy products and in exchange is able to send manufactured goods.

### Outlook Bright

"In general," the export manager concluded, "the outlook is pretty bright for another year. It's true, there are serious shortages, both of raw materials and of manpower, there is the powerful black market, and governments of varying degrees of stability. Yet, unless the Marshall Plan is 'hog-tied' somewhere along the line, these countries should get back into full production, and as a result, the volume of export business that we can do with them should prove very satisfactory."

## AN OSCILLOSCOPE IS BORN



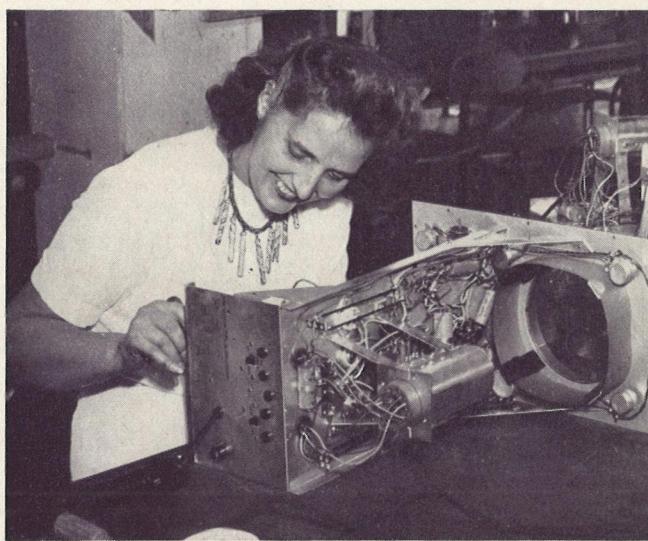
**CHASSIS ASSEMBLY BEGINS.** Helen Fleeger nimbly solders mechanical parts, transformers and other components into place in the first assembly.



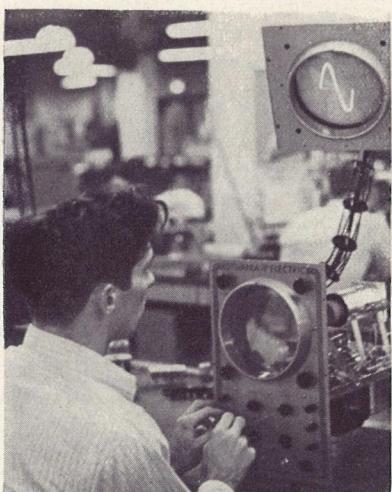
**NOW MORE PARTS** are added to already complicated chassis. Louise Reeder handles the soldering iron with skill.



**WITH THE PANEL COMPLETED,** Katheryn Elensky inspects each part to see that it is in working order. This is one of many checks given a test instrument before it is shipped.



**KATHERYN PANNEBAKER** does the process inspection of the completed chassis.



**NOW BILL THOMAS** gives the completely assembled instrument a final check before cabinet assembly. All tests used in radio servicing are simulated in final check of the instrument.



**WHEN THE OSCILLOSCOPE IS READY** for packing, Henry Clifton makes a final spot check. Instruction books are placed with each instrument.

*Pictures taken at Williamsport.*

# N. Y. PRESS FEATURES TWO SYLVANIA WOMEN

Two young Sylvania women who were featured in recent editions of the N. Y. World-Telegram are Shirley Harrison of Flushing Research Laboratory, Linden Place, and Anita Schulz of New York Office.

In a story devoted exclusively to her, Shirley is described as "The woman scientist who proved that a scientist could be a woman."

A mathematical physicist, 24 year old Shirley holds a graduate degree in physics from Columbia. She has since combined marriage with her scientific career and her husband is currently working for his M. A. in economics at Columbia.

"Her work is impressive," Shirley's story continued. "It includes solving equations, carrying out computations involved in a mathematical investigation of the theory of deflection defocusing in cathode ray tubes as applied to television." An amusing anecdote is told about one of the jobs she took to pay her way through Barnard College.

"I started out doing housework and

cooking for a family," she related. "I thought when I took the job it was just housework. But when I reported for work, the woman said 'I'd have to cook. I nearly fell through the floor.' Shirley also worked as a waitress on the Hudson



**SHIRLEY HARRISON** examines the inside of a tube on which she is doing mathematical research.

World Telegram Photo

River Day Line. In her sophomore year she got a job in the Astronomy Dept. of Columbia.

Science fits right in with the home life of a housewife, she told her interviewer:

"I'd like to have a nice scientific kitchen. The kind with a deep freezer and electric dishwasher. I just got a pressure cooker. It's wonderful!"

The second colorful feature is devoted to the ingenuity of Anita Schulz and five other girls in finding and making a home in crowded Manhattan. Title of the newspaper story is "Meet Six Girls Bats About Their Belfry."

Their home is in the loft of the Russian Orthodox Church in New York's famed Bowery section. They located their unique quarters from a girl whose business office is in the same church building. She told them of the spacious old rooms on its top floor.

The sextet pays a total monthly rent of \$150. Their landlord is a Korean.

Anita has been a Sylvania for 14 months. So far she and her roommates have not installed any Sylvania products, "But we're thinking about getting some fluorescent fixtures," Anita smiled.

## DANVERS FOLK RECALL OLD TIMES

Back with the calendar 26 years ago, John Learoyd and Roger Poor competed in a hair cut race . . . Hayden Kimball became President of the S. E. A. with Mollie (Coleman) Kumph, Vice President; Mrs. Bradstreet, Executive Board Member, and Russell Tirrell, Investigating Committee Member . . . Leland Gilliatt warbled in the bowl-enameling department . . . Miss Helen Flynn was married to Mr. John Zollo of Danvers, attended by Mr. and Mrs. Joseph Sweeney (Mrs. Sweeney is Kitty to Danverites today) . . . Frank Becker worked on the type C exhaust, won the reputation as the only man who knew what caused black lamps . . . In the 1921 annual outing, George Spurling won the potato race and Bob Healy was runner-up in the egg and spoon event . . . Joseph Russi, Rena Fossa's brother, was the new floor boy on the top floor . . . A son was born to Mr. and Mrs. August Kulberg . . . Twenty-five years ago Robert Reed was alternating with Irving Schaller in the Quality Department . . . John Wooldredge joined Hygrade and worked in the Sales Department.—GEORGE MANOLAKIS.

**SYLVANIA IS OUT FRONT** with another new merchandising technique. Each carton is a complete display and sales unit. "Buy bulbs like eggs" is the result of a recent Sylvania survey revealing that the average person buys only one or two bulbs at a time although the average home burns out at least ten bulbs every year and has at least three empty sockets.



**PREPARING TO TEST PRESSURES** on dummy pilot, C. R. Smith, Sylvania engineer, is seated with back to camera at left. Accelerometer tube, inset above, helps test pressures on pilots of high-speed planes.

### ACCELEROMETER TUBE SHOWS PLANE PRESSURES

The accelerometer tube developed by Sylvania is helping the U. S. Navy study the terrific strains placed on an aviator when his plane abruptly changes direction at high speed. The tube is contributing to research for greater pilot safety.

Sylvania's accelerometer tube was designed during the war. It is especially important in tests on pressures caused by crash landings or seat-ejection from high-speed planes such as rocket planes. In an experiment conducted by the Mayo Clinic in cooperation with the Frankford Arsenal, a human subject was seated on a parachute pack and sustained

by a lap safety belt and shoulder harness with accelerometer tubes placed on the head, shoulder and hip. The peak seat-ejection accelerations on various parts of the body were found to be in the order of the following:

Head	14.9 g (14.9 times gravity)
Shoulder	9.8 g
Hip	20.8 g

Ten g's (or ten times gravity) can be tolerated with no ill effects but above that amount the pilot complains of pain. The full meaning of "g" is more easily understood in terms of weight. A man weighing 150 pounds weighs effectively 1,500 pounds at 10 g.

ing indentations for locking around the pins in the mold.

### NAF RE-ELECTS McCANN

Arch McCann of Emporium has been re-elected a Vice President of the National Association of Foremen. He is also a Director and has been chosen a member of the Committee on Membership.

### SPERRY RECOVERING

Philip Sperry, General Sales Manager of Wabash Corp., who collapsed while visiting customers in Hollywood late last month, is recovering at his home in Brooklyn.



Robert F. Keller

### ST. MARYS VET JOINS SALES DEPT.

Guy A. Klees, Manager of the St. Marys Lamp Plant, announces the transfer of Robert F. Keller to the Sales Department as Assistant Sales Service Supervisor, effective October 1, 1947, and reporting to K. Lloyd Mason of the Salem Office. He will have charge of the sales service for all the products manufactured in the St. Marys Plant.

Bob came to St. Marys Sylvania in June 1939 as Shipping Clerk, after graduating from the St. Marys Public High School. During that time he enrolled in the I.C.S. for a course in Traffic. He continued as Shipping Clerk until early 1942 when he acted as Private Secretary to Manager Klees, until he was drafted into the Armed Forces on September 4, 1942.

#### Won Air Medal

He was sent to Cumberland, Pa. and from there to St. Petersburg, Fla. While at St. Petersburg, he took the examination for Aviation Cadet, and having passed that, he was sent to Selman Field, La., graduating as Second Lieutenant on January 2, 1945, and being assigned to the 54th Troop Carrier Wing. On February 2, 1945, he was sent to the South Pacific and saw duty over New Guinea, the Philippines, Japan, etc. On December 25, 1945 he was promoted to First Lieutenant and awarded the air medal for 100 hours' combat. He was discharged from the Service on April 30, 1946 and returned to St. Marys Sylvania as Senior Clerk on June 3, 1946, continuing in that position until October 1, 1947. At the present time he is a member of the active Air Forces reserve.

### TWO STARTER PATENTS RECEIVED IN AUGUST

Two patents, one on a mirastat switch and the other on a bimetal glowswitch, were assigned to the Company in August. The devices were an Electric Discharge Lamp and Starting Device, invented by H. J. McCarthy, and a Glow Starter for Electric Discharge Device, invented by R. J. McKenzie.

Effective September 9, a patent was issued to Bennett S. Ellefson of the Company's Central Engineering Dept. on Headers for Electron Tubes and the like and Methods of Manufacture. This patent covers the method of making headers or stems using glass rings hav-

## TOMMY TONG BUSY SYLVANIA REPRESENTATIVE

Only smiling Tommy Tong of San Francisco, Calif., and perhaps Mrs. Tong know just where he finds the time.

Packed into every 24 hours are such all-absorbing jobs as handling a Sylvania dealership, operating a radio station and publishing a newspaper.

His Sylvania dealership is ten years old. During the war years, he used Sylvania tubes on his sound truck from which he broadcast war news on the steep slopes of San Francisco's Chinatown. Now he is exporting the tubes to China where he has his own distributorship.

### Wife a Newscaster

Over radio station KSAN, Tommy's wife nightly broadcasts news and other information in seven different Chinese dialects. During the United Nations Conference in San Francisco in 1945, station KSAN figured prominently in the broadcast to the Chinese people by members of the Chinese delegation.

Tommy's newspaper is published for the citizenry of San Francisco's Chinatown. Busy as he is, Tommy can always find time to extend his genial hospitality to Sylvania friends. And he has a host of them. (See photo at right.)

## PARTS PLANT QUALITY PLAN

By Vernon Grom

Scientific sampling plans are paying off in reduction of scrap in the Emporium Parts Plant. A few months ago, George B. Erskine, Parts Plant Manager; Charles E. Schell, Parts Plant Manufacturing Superintendent and Ray R. Chapman, Parts Plant Quality Supervisor, requested the Quality Control Section to establish sampling plans to detect parts variations at the machines, rather than at Final Inspection. The fact that some machines produced parts at the rate of 20,000 per hour presented a unique technological problem. As the result of close cooperation of Parts Plant Personnel, an effective sampling plan was developed and introduced. As the result, shrinkage is now effectively arrested at the machines.

Two excellent examples of effective Quality Control which can be cited are: The KA-2162 Pin Contacts and K-1947 Lock-in Bases. It is a recognized fact that our Lock-in Base quality is superior to that of any other manufacturer.



**BROAD SMILES** went with this broadcast scene from station KSAN in San Francisco's Chinatown, and why not? Three Sylvaniaians were airing a pet topic, Sylvania radio tubes. Host for the occasion was Tommy Tong, a Sylvania dealer and operator of KSAN. His guests were William G. "Pat" Patterson, California Division Sales Manager for Distributor Tubes, left, and H. Ward Zimmer, Vice President in Charge of the Radio Tube Division.



**HAND IN GLOVE** with her job is Mrs. Lillian Bourne. Every week to her walled-in table of many compartments in the Danvers Plant come some 800 pairs of gloves worn hard and thin. Every week her nimble fingers mend and patch and restore them for more wearing. Mrs. Bourne joined Danvers three years ago to do her part in the war effort. Working with her in the Danvers Plant at various times have been her sons, Philip and Gordon, and a daughter, Dorothy. All three are now attending college.



**HERB EHLLERS** (center facing camera) is tendered a farewell dinner at Emporium where he was manager of Product Engineering before leaving to become Manufacturing Manager of Special Tubes at Huntington. Flanking him, (left and right) are H. Ward Zimmer and Matt D. Burns.



**BOUND FOR PICNIC GROUNDS** at Montoursville is this happy foursome, L to R: Wilbur Myers, Wabash; Doris Pepperman and Phyllis Boyer, Accounting; and Robert Myers, Mechanical Development.



**DURING S.E.A. PICNIC**, these members of the Montoursville plant play bingo in shady corner at Antlers Club. Others of the 150 picnickers enjoyed a sunny afternoon of volley ball, baseball, motorboating and dancing.

## SYLVANIA GOOD NEIGHBOR IN IPSWICH

By Viola Johnson

Sylvania is more than industry alone in the life of Ipswich, Mass. Sylvania also plays an untiring role in serving the community's health, recreational and general welfare needs.

The rosters of nearly every civic and welfare organization in Ipswich carry the names of one or more Sylvanians. Everywhere in Ipswich is evidence of Sylvania as the Good Neighbor.

Every year, plant personnel contribute generously to the fund of the Cable Memorial Hospital. Serving on its Board of Directors is Plant Controller Roy E. Drew.

Among Sylvania blood donors who

**OVER 500 IPSWICH CITIZENS** attended the summer Hobby Show organized by this committee of five Sylvanians, L to R: Paul LaValley, Irving Standley, Viola A. Johnson, John J. Kelly and Henry S. Prisby.



have answered S.O.S. calls in 1947 for auto, plane crash and disaster victims are Charles Lee, James Sands, Al Illsley, Reginald Tarr, Harold Fine, Joe Bennett, Joe Sweeney, Harland Fletcher, Walter Przybulo and George Carpenter. Przybulo gave 17 pints of blood in a previous year. In the local Scouting movement in 1947, the Company came forward with three shelter huts for overnight camping grounds and lighting fixtures for both the Boy and Girl Scout headquarters.

The Youth Canteen is typical of the

kind of project to which Sylvanians lend a hand. The Canteen was organized to answer the perennial youth question "Where shall we go and what shall we do on Saturday nights?" The Canteen has been a huge success. On its Board of Directors are Sylvania's Ivan Nichols and Henry Prisby. The Directors work in an advisory capacity only.

Viola Johnson, Secretary to George W. Carter, assisted in organizing canvassers in the October 4th Forget-Me-Not Drive for disabled American Veterans of Greater Salem Chapter No. 84.

### Others Who Help

Organist and director of the Girls' Choir at St. Paul's Church in Hamilton is Theresa Cacciola, Secretary to Dan W. Poor, Jr. Chester A. Card of Product Engineering is assistant conductor of the American Legion Band and gives two hours every Tuesday night to band rehearsals. Division Accountant Dan Poor, Jr. is a member of the local Red Cross Committee. A member of the Ipswich Chamber of Commerce is General Manager Charles H. Goddard.

Sylvania's Hobby Show in Ipswich on June 30 to July 1 attracted over 500 persons to a display of Sylivanian handiwork and art.

The Company has already contributed over 400 lbs. of old magazines to the American Legion Paper Drive launched in November.

Plant Manager Robert Franklin and Controller Drew are active in Ipswich Rotary.



**EAGER RECRUITS** in the Forget-Me-Not drive that Sylvanians helped to stage for Disabled American Veterans, Greater Salem Chapter No. 84. Many of the youngsters above are sons and daughters of Sylvanians.

# JOIN QUARTER CENTURY CLUB



**VETERAN TWICE OVER:** Wilfred J. Ouellette, shown in his World War I doughboy garb, recently joined Sylvania's 25-year veterans at Salem's Boston St. Plant.



**ANOTHER SYLVANIA OLD TIMER** to join the Quarter Century Club in his plant is Philip Dodge, expert Maintenance Mechanic and S.E.A. Vice President at Loring Ave., Salem.

## QUARTER CENTURY CLUB WELCOMES TWO MORE

Two recent additions to the ranks of Sylvania's Quarter Century Club membership are Philip B. Dodge of the Loring Ave. Plant and Wilfred J. Ouellette of the Special Lamp Plant, Boston St., Salem. Philip began his Sylvania service with "Hygrade" on June 5, 1922 as a 19-year-old floor boy in Boston Street's Incandescent Lamp Plant. Within a year he was promoted to a Maintenance Mechanic. Today he is considered a top-notcher in his trade. A

popular member of the plant family, he is Vice President of Loring Avenue's S.E.A.

Phil Dodge was married in June, 1927 to a former Sylvania employee, Etta Elwell. Their home is in Beverly. The Dodges have two sons, one with the U. S. Army of Occupation in Tokyo who acted as military guard for the Emperor, and another who is a senior at Essex Agricultural School in Danvers. At a party in his honor on September 22

**HERE'S THE EMPORIUM TENNIS TOURNAMENT.** Received too late for last month, this photo shows some of the stars who participated in the Sylvania Open the latter part of September. Entries came from within 150-mile radius. About 500 people viewed the matches. The Men's Singles was won by Ed Kilgus, and Mrs. Pat Gibson of Lock Haven won the Women's Singles crown. The tournament is sponsored by the S.E.A. Tennis Club. According to J. H. Loughlin, the tournament has grown to be the most important tennis meet in northern Pennsylvania.



The BEAM • November, 1947

Ouellette was presented with a watch and pin by Mr. F. A. Poor. Twenty-five years before, Wilfred had joined Sylvania as a machinist. He is married and lives with his wife at 199 Lafayette St., Salem. His hobbies are painting and sculpturing. He is the second member of his family to become a Quarter Century Member in 1947. His sister, Laurrette Labrie, was inducted last June.

## NEW "WELCOME TO SYLVANIA" BOOKLET

A new edition of "Welcome to Sylvania" has been distributed to all plants of the Company. Copies are also given to all new employees as they are inducted. Job applicants also receive "Welcome to Sylvania" to enable them to become more familiar with the Company.

"Welcome to Sylvania" is distributed to provide employees with a reference handbook containing the basic facts about the Company they work for. It presents important information on S.E.A. benefits, the additional insurance program, the Sylvania Savings & Retirement Plan, the Sylvania vacation plan, suggestion system, credit and savings plans, etc.

In addition, "Welcome to Sylvania" outlines the history and growth of the Company. It lists the products made by the various divisions and locates the different Company plants on the map. In it the individual can find information on how the sales dollar is spent, the Company organization setup, and a review of some of the basic principles on which the business is operated. The booklet is approximately 5 1/2 x 8" in size, attractively printed in two colors and profusely illustrated. Free copies are always available at your Personnel Department.

## FLUSHING KEGLER BOWLS 'EM OVER

She's only a substitute in her league but Florence Heinlein, Industrial Relations, is proving a giant killer among Flushing General Office bowlers.

Florence has chalked up a 131-score to head the women's column on the basis of six games bowled. Rose Marie Mello, league organizer, is high scorer with 130 on a 12-game basis.

Other kingpin averages in the League belong to Frank Massimo, 154, Othmar F. Landkamer, 143, and Bill Jacobs, 142.

# AROUND SYLVANIA

## WITH THE BEAM'S REPORTERS

### BROOKVILLE TRIO



#### At Brookville Picnic

Some 400 Sylvanians came early and stayed late at Brookville's annual S.E.A. picnic.

The day's program featured games and dancing, climaxed by a picnic supper. Among the day's outstanding performers were Bud Baughman, Grid Mechanic, who sparkled as Master of Ceremonies; Mounting Foreman Tony Serafini, pitcher for the Girls' "Mush-ball" team; and Grid Foreman Chet Marshall and Mechanic Ralph Galentine, co-winners of the baseball-throwing contest.

Planners for the outing included among others the trio in above photo, (L to R) Ethlyn Pergrim, Mounting Monitor; Bill Smith, Product Engineer,

### ROUGHHOUSE IN THE ROCKIES



### Williamsport Trio Tours 9,381 Miles of America

New mileage—and smile-age—records were hung up by Williamsport's Mr. and Mrs. Jim Heberling and Merrill Jones on their 21-state, 9,381-mile vacation jaunt. Their trip in Jim's Ford took them from Pennsylvania to California and through 19 states en route. Among points of interest they visited were the Colonial Radio Plant at Riverside, Calif., Yellowstone Park, the Black Hills and Badlands of South Dakota, Rocky Mountains, where above photo was taken, and the Great Salt Lake.—ARLENE KUHNS.

and Marilyn Pergrim, S.E.A. Chairman.—EDNA SUMMERVILLE.



**SCENE IS BELIEVIN'.** Towanda Sylvanians packed a world of fun into their Fourth Annual Clambake at the Rod and Gun Club on September 13. They gathered under a cloudless, blue sky for an entertainment menu of games and song, and a food menu of savory steamed clams.—Wendell L. Plummer.

### ALTOONA AIRESS



### Another Eleanor Goes A'Travelling

Eleanor Rowles flashes a pretty smile in above photo taken at Chicago airport before her plane winged her back to resume her duties at the Altoona plant.

She had spent several months in California visiting relatives and touring Hollywood sets where she saw such stars as Jeanne Crain, Roddy McDowell, Margaret O'Brien, Dennis Day and even swapped jokes with Red Skelton.—DOROTHY SYBERT.

### St. Mary's Alice In Wonderland, Now . . .

Music and laughter have always been in the heart of Miss Alice Hoehn. Now her ears can hear them too.

Miss Hoehn, 25 years with Sylvania and deaf for 22 of them, had her hearing restored to her in a Chicago hospital.

The operation consumed her vacation period but the thrill of sound was worth it.—M. S. CONWAY, R. N.

### Champ's Hole-in-one Wins Him Wheaties

Boston Electronics' Elmer Gustafson and his 6-iron have joined golf's Hall-of-Fame, with the 125 yard ace he drove in the cup at Sylvania Country Club on Labor Day. Witnesses to the feat were Manuel Ignacio and George Manolakis of Danvers.

Elmer's prize was a case of Wheaties, which he contributed to a recent Club Breakfast.—MADELEINE GILLIGAN.

## Highlights of Lowell

Lowellites responded 100% when a mobile X-ray unit made a recent visit to the plant. The X-rays were completed with no loss of work time and with no halts in production.

Although the Lowell Plant is not large enough to house a cafeteria, a local caterer serves coffee, sandwiches, candy and soft drinks during rest periods and lunch hours. Fred Fulle, Plant Manager, calls this service indispensable.

Perfect presentee-ism for the last 12-months has been registered by the following: Yvonne Belanger, Mary Fitzpatrick, Jane Plechy, The Sullivan twins, Alberta LeBlanc, Marion Smith, George Hovey, Larry Alexander, Theresa Courtois, Pauline Lamarche, Bernice Rodriguez, Frances Kidawalski, Rita McCutheon, Bill Hamblen, John Michael, Hector Denomme and Vic Lapanne.—BETTY BURKE.

## Weddings

### TOWANDA

Miss Donna Clagett, Inspector in Wire Drawing Dept. and Reporter for the BEAM, to Mr. Carl Rehfeldt on September 20.

### ST. MARYS

Mrs. Crescentia R. Zitzler, Plant Maintenance, to Mr. Lawrence Stebich on September 16.

Miss Mary Warner, Sealex Dept., to Mr. Charles Murphy, Ridgway, Pa., on September 19.

Miss Mary Winkler, Sealex Dept., to Mr. Angelo Canton, Byrendale, Pa., on September 13.

Miss Mary C. Schneider to Mr. Thomas Friedl, Machine Shop, on September 27.

### BOSTON ELECTRONICS

Miss Mary E. Uriot to Mr. Frank McCarthy, Test Engineer in Tube Development, on October 4.

Miss Marie Carr to Mr. Joseph Gaffe on September 21. Groom is with the General Electric Company.

### WARREN

Miss Mary Graham, Molding Dept., Clarendon Plant, to Mr. Clarence Deshner of Cleveland on October 4.

### ALTOONA

Miss Wynema Ritchey, Grid Dept., to Mr. Donald Decker on September 10. Miss Elva Askey, Grid Dept., to Mr. Robert Clark on September 30.

### IPSWICH

Miss Betty Warner, Payroll, to Mr. Edward Cody, Hartford, Conn., on September 20. Miss Evelyn Strok, Production, to Mr. Edward Lachowicz on September 28.

Miss Alice Ewing, Production, to Mr. Walter Bakula, Paint Shop, on October 5.

Miss Dorothy Greene, Production, to Mr. John Hoskins, Essex, on October 11.

Miss Lucy Saulnier, Ballast, to Mr. Richard Titus, Topsfield, on October 19.

Mrs. Ruth Whittier, Quality, to Mr. Albert J. Horne on October 25.

Miss Theodora Sotiropoulos, Ballast, to Mr. Soterios Kafulides, Boston, on November 2.

### EMPORIUM

Miss Anna Kuppelweiser to Mr. Harold Swank on September 20. Groom is employed by RCA Electric Division.

Miss Marion Jordan, Production Development, to Mr. Matthew Kuppelweiser on September 30.

Miss Marjorie Buehler, General Engineering Office, to Mr. Bob Gaylor, Ridgway, on October 10.

Miss Shirley Pierce, Standardizing Section, General Eng., to Mr. Richard Redmond, Johnsonburg, on October 25.



**SYLVANIA MERGER:** Theodore Patten and Marie McCathern, both Danvers employees, are shown in cake cutting ceremony after their marriage in St. Johns Church, Swampscott, on October 5. Marie, Cost Dept., came to Sylvania in 1935. Ted, who works in the Finishing Dept., joined the Company in 1940.

Miss Virginia Gagliardi, Filament Dept., to Mr. Lawrence Polaski, Johnsonburg, Pa., on September 20.

### DANVERS

Miss Kathryn Jankoski to Mr. Roland Freeman on September 10. Groom is associated with his father in the florist business.

Miss Peggy Small, Unit 2, to Mr. Thomas W. Silver, Beverly, on September 21.

Miss Anne Zukowski, Photometric Dept., to Mr. Edward Zayac, Peabody, on October 4.

Miss Marie McCathern, Cost Dept., to Mr. Theodore Patten, Finishing Dept., on October 5.

Miss Alice B. O'Neil to Mr. H. Peter Lotarski, Quality Dept., on October 11.

Miss Madeleine St. Paul, Coating Dept., to Mr. Jean Palmer on October 11.

### MILL HALL

Miss Priscilla Gardner, Grid Dept., to Mr. Robert Barrett on September 3. Groom is employed at the Cedar Springs Dairy.

Miss Julia Trivelpiece, Mounting Dept., to Mr. Eugene Bennett on September 5. Groom is employed by General Armature Corp.

Miss Jean Reese, Mounting Dept., to Mr. Harold Oakes on September 19. Groom is employed by the N. Y. and Penna. Co.

Miss Loraine Heverly, Mounting Dept., to Mr. William Eldred Jr., Stem Dept., on September 20.

Miss Lois Seymour, Mounting Dept., to Mr. Joseph Duffield on September 25. Groom is employed in Williamsport as an electrician.

Miss Cecelia Richner, Mounting Dept., to Mr. Clair Sheasley on October 3. Groom is employed as a painter.

## Births

### WARREN

To Mr. and Mrs. Richard McDonald, a daughter, Pamela (6½ lbs.). Father is employed in the Shipping Dept. Plant #1.

### HUNTINGTON

To Mr. and Mrs. Carl Bechdolt, a daughter, Deborah Ann (7½ lbs.), on September 23. Father is a machinist.

### DANVERS

To Mr. and Mrs. William B. O'Keefe, a son (8 lbs. 9 oz.), on October 4. Father is General Foreman of the First Shift.

To Mr. and Mrs. Alphonse Potvin, a son (9½ lbs.), on October 12. Father is connected with the Coating Dept.

### ALTOONA

To Mr. and Mrs. Paul D. Robbins, a daughter (7 lbs. 7 oz.), on September 27. Mother, Edna, formerly worked in the Stem Dept.

### BOSTON ELECTRONICS

To Mr. and Mrs. Everett Wykes, a daughter, Eve Carol, on October 6. Father is a Glass Blower in the Glass Dept.

### FLUSHING—LAWRENCE ST.

To Mr. and Mrs. Joseph B. Forman, a daughter, Susan Lois (6 lbs. 10 oz.), on September 9. Father is employed as a Patent Attorney in the Patent Dept.

### FLUSHING—LINDEN PL.

To Mr. and Mrs. Joseph Hartmann, a daughter, Madeline Ann (8 lbs. 7 oz.), on September 1. Father is a machinist.

### IPSWICH

To Mr. and Mrs. Fred McKinney, a son, Thomas (9 lbs.), on September 14. Father works with Maintenance Dept.

### EMPORIUM

To Mr. and Mrs. Sam Manginell, a daughter, Mary Aileen (6 lbs. 8 oz.), on September 19. Father works in the Machine Shop.

To Mr. and Mrs. James B. Vogt, a daughter, Karen Ann (6 lbs. 4 oz.) on September 12. Mother was the former Phyllis Kallas of the Machine Shop.

To Mr. and Mrs. Lawrence Murphy, a son, Franklin Joseph (3 lbs. 6 oz.), on October 1. Father is in Commercial Engineering Laboratory. Mother was formerly employed in Production Development.

To Mr. and Mrs. Kenneth Meier, a daughter, Kay Suzanne (9 lbs. 1 oz.), on September 2. Father is a Chemist in the Design Section of the Cathode Ray Plant and was formerly located at the Montoursville Plant.

To Mr. and Mrs. Eugene Coleson, a son, Steven Jay (5 lbs. 11 oz.), on September 4. Father is a Group Leader in the Bulb Preparation Dept. of the Cathode Ray Plant.

## THIRD QUARTER REPORT

July, August, September

	1947	1946
Net Sales .....	\$21,638,054	\$16,774,353
Net Earnings .....	368,398	396,098
Earned per share of Common Stock...	.27	.29

## NINE MONTHS' REPORT

January through September

	First nine months 1947	First nine months 1946
Net Sales .....	\$69,394,419	\$44,962,081
Net Earnings .....	1,907,375	954,566
Earned per share of Common Stock...	1.60	.65
Number of Common Shares Outstanding	1,006,550	1,005,000

## WANTED — 100 MILLION BUSHELS OF WHEAT

Europe has a lean and hungry look. Its food plight is desperate. The plight grows worse as another winter spreads its cold feelers across the continent.

Frost, drought and floods have taken their tolls in the vital food crops of Western Europe. Hunger last year was widespread for want of the wheat that makes bread. This year in Western Europe there is even less wheat by 200 million bushels, and the population is growing.

Against that stark picture, America is reported by Department of Agriculture as eating at a record rate and enjoying a record wheat crop of 1,450,000,000 bushels. From that crop, the U. S. has available for export 470 million bushels. Europe's minimum needs are 570 million bushels. Can we make available that extra 100 million bushels?

It is the humanitarian way to share one's plenty with famished stomachs.

But there is another reason, too, a good, American, horse-sense reason, for sharing our plenty. Says Secretary of State Marshall:

"During this critical period in world affairs, food is a vital factor in our foreign policy. And the attitude of Americans toward food can make or break our efforts to achieve peace and security throughout the world.

"The connection between the individual American and world affairs is unmistakably clear—our foreign policy has entered the American home and taken a seat at the family table."

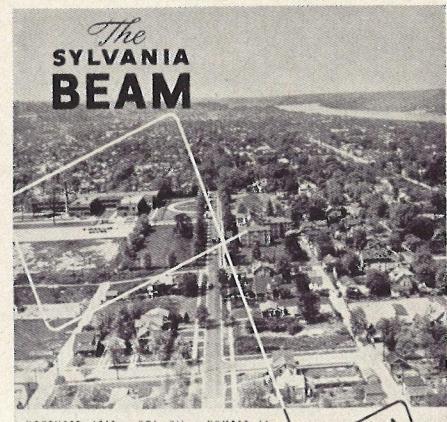
## SYLVANIAN SOCIETY HEAD

Lester A. Johnson, Sylvania's representative in Omaha, has been made Chairman of the Cornhusker Chapter of the Illuminating Engineering Society there. Sumner Harris, also of Sylvania, is Chairman of the South Texas Chapter in Houston; and J. H. Edwards, the Company's Division Lighting Engineer in Kansas City, is Chairman of the Heart of America Section in Kansas City.

## JOHN CARTER DIES

JOHN C. CARTER, who came with the Company in Salem in 1916, died November 10 following a long illness. He is mourned by many old-timers and a number of the newer employees who knew him for a good friend. For a number of years he managed the Boston Street Lamp Plant. At the time of the war, he transferred to Danvers where he served in a staff capacity. A wife and five children survive. A stepson, Burt Galloway, now works at the Boston Street Plant.

## ON THE COVER



PUBLISHED MONTHLY FOR EMPLOYEES OF SYLVANIA ELECTRIC PRODUCTS INC.  
ONE OF SYLVANIA'S most picturesque plant settings is the location in Huntington, W. Va. This aerial view takes in a broad sweep of the city with winding Ohio River shown at right.

## THE SYLVANIA BEAM

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# SYLVANIA POLICY FILE

No. 401 (excerpt) and No. 402—From the Policy and Standard Practice Manual. These policies are formulated by Sylvania's Management and issued by Industrial Relations.

## Company Safety Policy

1. Safety shall be given primary importance in planning and operating all company activities in order to avoid suffering on the part of employees resulting from accidents or injury.
2. Accident prevention work and the handling of accident cases with individual employees must be considered first from a human standpoint with costs of protection and insurance as second in importance.
3. Each employee shall be given safety instructions, and is expected to follow these instructions in the performance of his job and to conduct himself in a safe manner at all times.

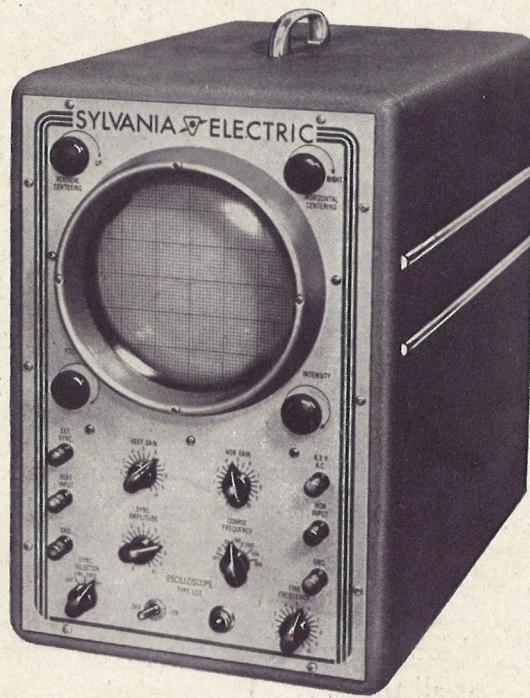
## Reporting of Industrial Injuries

1. Every industrial injury, including any cut or burn no matter how slight, which involves an employee working in a location where there is a First Aid Room, shall be reported to the Plant Nurse immediately after such injury is received.
2. If the injury occurs when the First Aid Room is closed or after the employee has left the plant or office, a report of such injury shall be made to the Plant Nurse the next working day.
3. Every industrial injury involving an employee working in a location where there is no First Aid Room, shall be reported immediately to the Manager for that location.
4. The Area Safety Engineer will specify what reports of injuries are to be made in each State. The Nurse, in cooperation with the Plant Safety Man (The Manager at a location where there is no nurse or safety man) will prepare the necessary reports and submit them to the Area Safety Engineer.

# OSCILLOSCOPE



Sylvania 3" Oscilloscope Type 131



Sylvania 7" Oscilloscope Type 132

## AN INDISPENSABLE TOOL FOR ELECTRICAL ENGINEERS

An oscilloscope is a scientifically designed instrument that makes an electric current trace its own picture.

The heart of an oscilloscope is a cathode ray tube similar to those used in radar and television receivers. In its simplest form, the face of the tube is coated inside with a phosphor similar to the material on the inside of a fluorescent lamp. At the far end of the tube is what is known as an electron gun which shoots a narrow beam of electrons at the coated face of the tube causing it to glow where the electrons strike.

When radio or electrical signals are sent into the tube, a picture of the signal (oscillation) is traced on the face of the tube. The amplitude frequency and wave form of the current, for example, can be seen at once.

The uses of oscilloscopes are so broad that a complete

list would fill a fair-sized catalog. Some of the more familiar uses are

- Testing radio set circuits
- Testing performance of radio speakers
- Studying distortion of radio amplifiers
- Measuring the tolerance of mechanical parts in such devices as phonograph turntables and record players

The Sylvania oscilloscope is a quality product made by electrical engineers for electrical engineers. The broadest basic electrical testing instrument yet devised, it is an essential part of any electronic laboratory's equipment. Sylvania oscilloscopes retail from \$78.50 to specialized models, synchrosopes and spectrum analyzers as high as \$1,850.

**SYLVANIA ELECTRIC PRODUCTS INC.**