A black and white photograph of a forest stream. The water flows through a narrow channel, surrounded by dense trees and foliage. The scene is captured from a slightly elevated angle, looking down the length of the stream. The lighting creates strong shadows and highlights on the water and the surrounding vegetation. In the upper right corner, there is a white rectangular box containing the title and date.

# Philco News

JUNE 1947

# Philco News

Published for Employees of the Philco Corporation Plants in Philadelphia and Vicinity. Printed in U. S. A.

J. N. HUNSBERGER, JR., Editor

MARK LUTZ, Associate Editor

VOL. 5

JUNE, 1947

NO. 4

ARTICLES, PHOTOGRAPHS AND DRAWINGS ARE INVITED. PLEASE SEND TO EDITOR.



*Summertime* has once again arrived and here in Philadelphia we may well expect the normal number of hot and humid days. So we can look forward with a great deal of pleasure and anticipation to the two-week break in our working schedule that we get in July for vacations.

You Philco employees, as members of the largest and most efficient manufacturing team in the radio league throughout the world, have indeed had a busy year and are deserving of a vacation from your work.

We do urge you, however, in taking this vacation that you try to get a *real* rest. Very often we try to crowd too many things into a vacation with the result that many times we come back to work even more tired than we were before we left. That seems to be more or less the usual thing to do; however, we thought we should at least bring it to your attention.

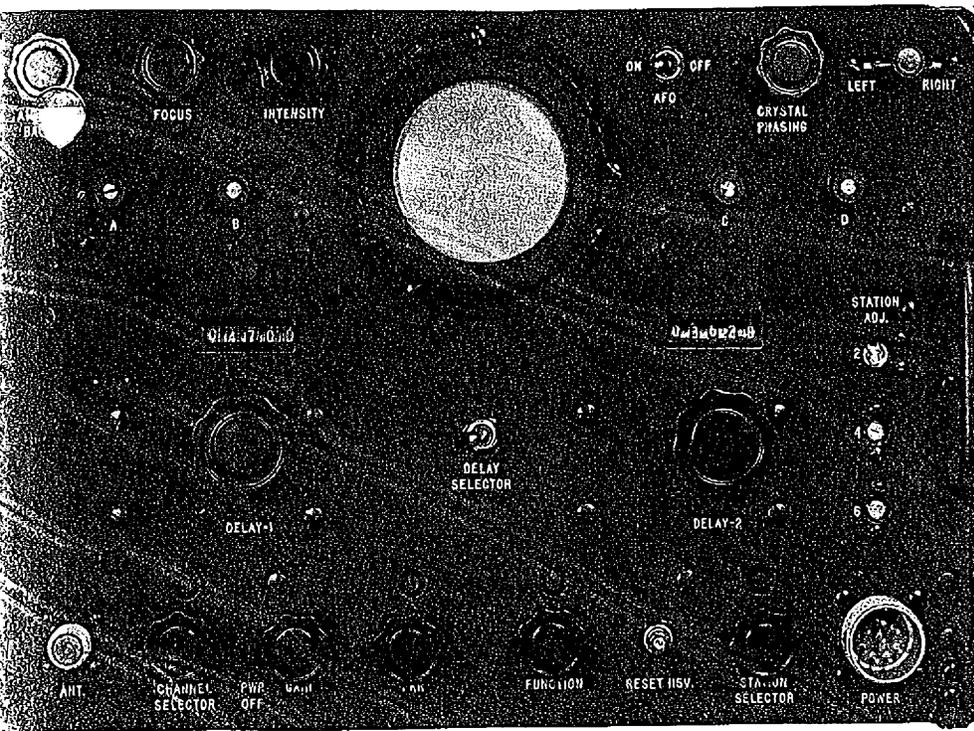
In view of the vacation period cutting the July-August period to six weeks, we are planning to come out some time in August with a combined July-August issue of the PHILCO NEWS. We plan to have in this number several pages devoted to photographs and stories having to do with your activities during your vacation. We would appreciate your sending your vacation photographs to the editorial office of the NEWS.

We hope that the weatherman will treat you well and that you will have a grand time on your vacation this year.

A PHILCO FREEZER in a recent model home exhibition holds the attention of Martha Vickers, Warner Brothers actress, soon to be seen in "Love and Learn," and Wayne Morris, who will be seen in "Deep Valley."



OUR COVER THIS MONTH—Although Ted Perskie, Staff Photographer, was off duty while enjoying the scenic beauties of the Wissahickon, he could not resist the temptation to snap the picture which we chose for the cover for the June issue of the PHILCO NEWS.



THIS NEW PHILCO direct-reading Loran receiver provides double counters, automatic frequency control and other new features in a compact 35-pound single-unit equipment, designed as an aid to long-range navigation for operators of merchant vessels, overseas airliners and other users of long-range navigation aids.

## NEW SEMI-AUTOMATIC AID TO NAVIGATION GIVES TRANSOCEAN PLANES THEIR POSITION IN SECONDS

To provide overseas airlines with a semi-automatic navigational aid for bringing aircraft to their destinations directly and safely from distances up to 1,500 miles offshore, the Philco research laboratories have developed a new 35-pound direct-reading Loran receiver that gives position "fixes" precisely in seconds instead of minutes, without chance of human error in taking the readings, it has been announced by Leslie J. Woods, Manager, Industrial Radio Division, Philco Corporation.

"This new Loran instrument, called the 'Philco Seaguide,' will be an important aid to safe and economical operation of airliners flying overwater routes," Mr. Woods pointed out. "Easier and quicker to operate than earlier Loran models, it gives a navigator the position of his airplane in a matter of seconds, in any weather, day or night. Tests prove the Seaguide's accuracy is comparable to a good celestial fix, and you get your position more

rapidly and reliably. You know where you are even in the worst weather, when accurate navigation is vital."

The "Seaguide" represents an important engineering advance over the first airborne Loran equipments developed and built by Philco during the war, including the instruments used to guide the B-29 bombers which dropped the atom bombs and other explosives on Japan.

This new post-war navigational device receives signals from Loran shore transmitters at ranges up to about 1,500 miles (1,400 nautical miles) at night and approximately 750 nautical miles during the day. A noteworthy innovation over any previous Loran is reception on six frequency channels, four for the present high-frequency Loran shore stations, and two low-frequency channels for the new long-range transmitters now being developed by the United States Government.

Other new features of the "Sea-

guide" include its two mechanical counters which indicate directly the position of the airplane. In obtaining a fix, the operator follows a simple procedure which can be learned in a short time, and which takes the human error out of readings on the indicator screen. Having two counters before him, the navigator can quickly obtain and retain both delay readings needed for a precise fix of his position.

Another new feature is an automatic frequency control (AFC) circuit which permits the "Seaguide" operator to line up signals from Loran shore transmitters more accurately and rapidly, without manual operation of the crystal phasing control, although this control is also provided for emergency operation.

*Philco News*

# KEEPING PRODUCTION WHEELS TURNING:

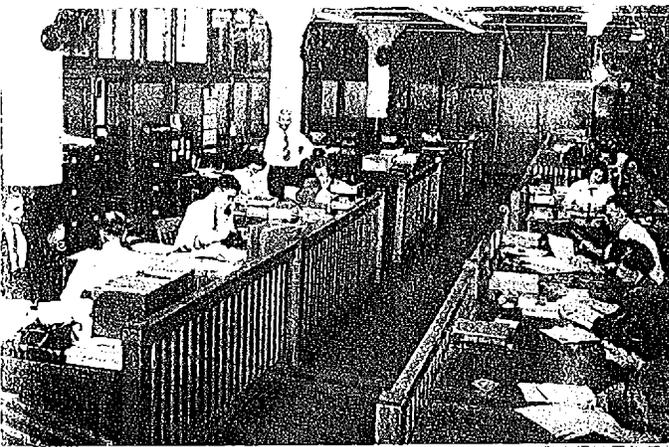
The business of the Philco Purchasing Department is to buy. Knowledge of how and where to buy the best quality materials at the best prices, for the quickest delivery, is essential for this department.

That the department has the know-how is proven by the fact that Philco is known for quality the world over and has retained its leadership in a highly competitive market.

To handle the expanding demand for materials needed on Philco production lines, the Purchasing Department has been organized by divisions. The Executive Division is under Ray Boyce, Director of Purchases, and William MacMurtrie, General Purchasing Agent, with headquarters in Plant 2. Wilson Oelkers is Purchasing Agent, and Lou Niemann is Assistant Purchasing Agent of the Radio Division. William Chaffee is Purchasing Agent for the Refrigeration Division, and "Skeet" Brandon is Assistant Purchasing Agent. Their headquarters are in Plant 50. Each division is staffed with a complete organization operating in the various plants of the Corporation, to see that an adequate supply of the best materials available is on hand to keep Philco products flowing to all parts of the world.

Besides the vast quantities of materials bought in this country, the Purchasing Department reaches into all parts of the world for additional supplies. Beyond the supply of essential parts and materials is a maze of integrated and finished parts—from mines, farms and forests of the world through a series of refining mill operations into fabricated parts and, finally, manufacture into units that come to our stockroom.

From the mines of India come fine grades of insulating mica used in condensers, tubes, motors and dozens of places in electrical apparatus. It is mined as a rock and split into thin films of clear, clean insulation. Operators are trained to tell the thickness down to a thousandth of an inch by feeling the mica in their fingers. After sorting for thickness and clean-



**TOP**—View of the general offices of the Purchasing Department on the fifth floor of Plant 2.

**CENTER**—Purchasing Department conference. Standing (left to right) are: D. L. Brandon, W. H. Chaffee, W. H. Oelkers, and L. H. Niemann; seated, in the same order, are: R. A. Boyce and William MacMurtrie.

**BOTTOM**—Personnel of the Refrigeration Purchasing Division of Plant 50.

*Philco News*

# THE PHILCO PURCHASING DEPARTMENT

ing, the mica is graded and shipped to the fabricator. Here it is punched out to shape, using specially constructed dies, then inspected visually, electrically and mechanically before it goes to the fabricating line and becomes a part of the padding condensers you assemble in radio receivers. And so a small piece of India becomes part of a Philco product. Then there is tin from the Malayan Peninsula or Bolivia that is part of the solder used to make permanent electrical connections.

Mahogany comes from Africa or Central America. The beautiful mahogany tree does not grow in forests or groves. There may be only one mahogany tree in a square mile of forest. The trees are felled and cut into logs for transportation to this country, where they are carefully graded for cutting as lumber or veneer. Only the finest portions are selected for Philco cabinets.

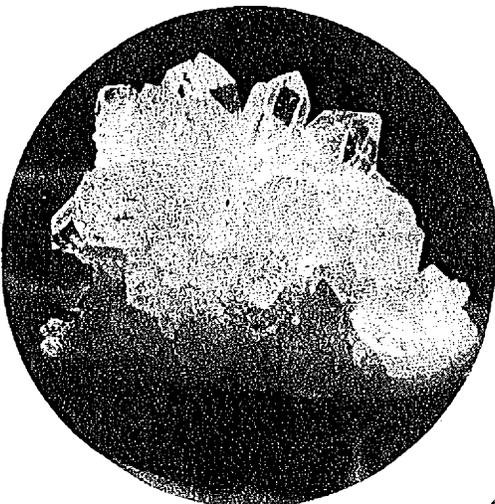
From the interior of Brazil comes the best grade of quartz used in control apparatus. Many Philco employees used large quantities of this quartz during the war to produce high-quality crystals for the Army and Navy. Usually quartz is

mined by Brazilians in the back country. They pack it out on their backs or on burros to the local markets where it is sorted and graded before it is shipped to the world markets.

So from all corners of the earth flow basic materials into our plants and into the hands of Philco suppliers all over the country. Close to 2,000 different suppliers are concerned with specialized fabri-

cating operations. Some require highly skilled hand work by a few people working in small shops; other parts demand highly mechanized equipment in the plants of the world's largest corporations.

Thus it is that the Purchasing Department has the responsibility of securing—whether at home or abroad—whatever Philco needs to keep the wheels of production turning.

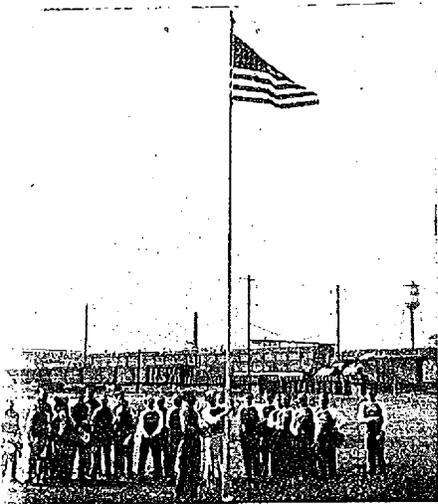


GROUP of natural quartz crystals.

MAHOGANY TREE on the Isthmus of Tehuantepec, Mexico, before it was felled for ultimate use in Philco cabinets.



Philco News



FLAG RAISING by members of the Machine Shop and Plant 14 teams at the inauguration of the softball season.

# SOFTBALL SEASON OPENS



SPECTATORS AT THE OPENING GAME of the softball season on Philco Field.



THE SOFTBALL SEASON is opened officially with the pitching of the first ball by John Ballantyne, president of Philco.

The 1947 Inter-Departmental Softball League was officially inaugurated May 19 on the newly reconditioned Philco Field, with John Ballantyne, president of Philco, throwing the first ball for the initial contest.

There are two leagues, each with eight teams, competing for the trophies. The final playoffs will be in September.

Heading the American League teams are: Joseph England, Plant 14; William Kindregan, captain, and R. Foxhill, manager, Dept. 27; H. J. Baraldi, captain,

and M. Regan, manager, Dept. 84; H. Cross, Machine Shop; Charles Mays, captain, Charles Martin, manager, Maintenance; Harry Miller, Transportation; Harry Hess, Plating; William Barron, Dept. 81.

Heading the National League teams are: Thomas Grispon, captain, James Jackson, manager, Purchasing; Fred Brinkman, Engineering; John Davis, Accessory; Joseph Storker, captain, Joseph Castorina, manager, Dept. 82; Russell Sutter, Accounting; Walter Thiers, Model Shop; Morris Lempert, Factory Engineering; Sam Woods, Dept. 16.

"SAFE!" CRIES THE UMPIRE as a member of the Engineering team slides home.



AN UNCHALLENGED "STRIKE" was called on this one.



# PHILCO announces New Television Receiver Model 1000 to Philadelphia Dealers

CLIMAXING nearly 20 years of television research and engineering, Philco has just introduced its first commercial television receiver, the Model 1000, providing a 10-inch picture tube and many new and exclusive Philco features in a modern mahogany cabinet, it has been announced by James H. Carmine, vice-president in charge of merchandising, Philco Corporation. "In presenting the first Philco television receiver ever offered to the public, we are concentrating our sales and installation program in the Philadelphia television area for the present," Mr. Carmine declared.

He pointed out that the policy to limit sales and installation of television receivers to the Philadelphia area for the present is based on the following decision. The Company intends to utilize the Philadelphia television area as a "training ground" both for its entire local dealer sales and service organization, and for representatives from Philco distributors in other television broadcast areas.

The Philco television training program, which has already been under way for several weeks in Philadelphia, is twofold. One phase of it is training all dealers with qualified service organizations, as well as independent service men, in the installation and maintenance of the new Philco television receivers. The second part of the program is an integrated sales training plan to prepare Philco dealers and their salesmen to sell the new receivers intelligently.

"As a further aid to the service training program, all installations of Philco Model 1000 television receivers in the Philadelphia area are being personally supervised by experienced television field engineers from the Philco Service Division, under the direction

of Robert F. Herr, vice-president in charge of this division," Mr. Carmine pointed out. "To help dealers in demonstrating and selling the new receivers, we are holding a continuing series of sales training meetings to run in conjunction with the service schooling and field training. In addition, Philco Television Station WPTZ here, already broadcasting regular afternoon and evening programs, will further increase its schedule of telecasts, which now includes studio programs, remote pickups of all major league baseball games in Shibe Park, relay programs brought by the Philco radio relay from WNBT, New York, and motion picture telecasts."

Mr. Carmine emphasized that no public announcement of the new Philco Model 1000 television receivers will be made until the local dealer sales and service organizations are thoroughly trained.

At present the new Philco television sets are being sold by dealers to their customers without demonstration. Most sales are readily made by telephone because of the widespread interest with which Philco receivers have been awaited.

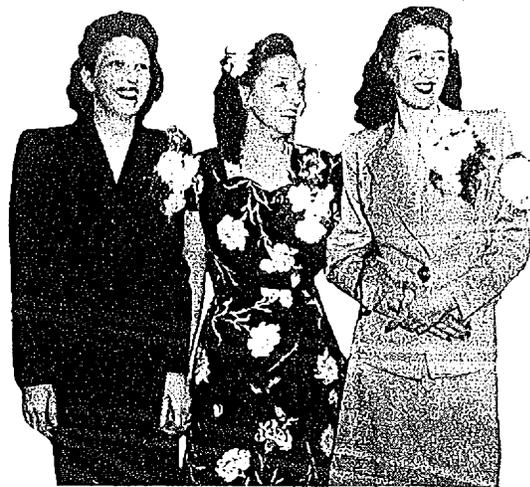
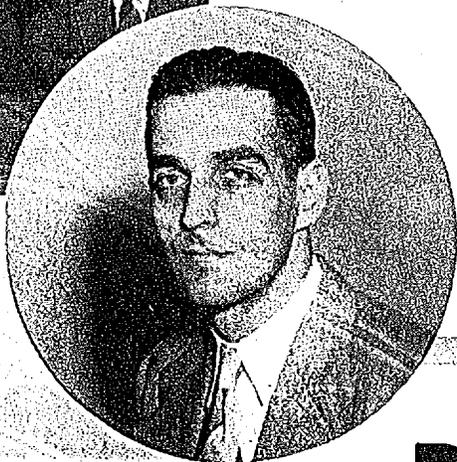


MAYOR BERNARD SAMUEL receives a new Philco table radio from Fred Ogilby, sales manager, Radio Division, Philco, to be sent to Mayor E. Leland Taylor of Louisville, Ky., on the inaugural TWA flight between the two cities. Air Hostess Betty Dean will deliver the radio to Mayor Taylor.

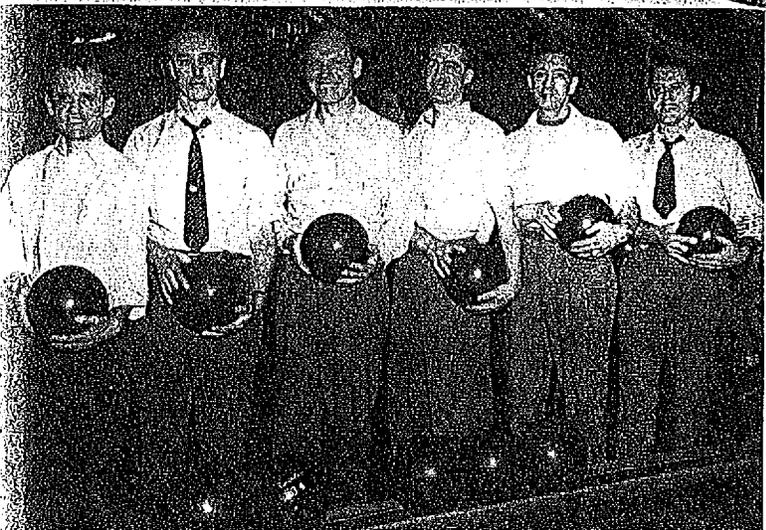
*Philco*



OFFICERS of the men's association are (front row, left to right): Edward J. Hoffman, secretary; George Dale, president; Vic Gittens, treas.; William Heiligman, assistant treas.; (rear row): Harvey Minnich, assistant secretary and treas.; Elmer Hanna and Francis Capelli, assistant secretaries. Inset is Edward Shumann, assistant secretary-treasurer of the Pastel League.



OFFICERS OF THE GIRLS' LEAGUE are (left to right): Frances Koeneke, president; Virginia Marks, secretary; Helen Cleaveland, treasurer.



▲ CHAMPION MEN'S BOWLING TEAM members are (l. to r.): Michael Rentz, Chester Parker, George J. Klug, Oliver Coulter, Abraham Spector and Edward C. Carter.

SEASON'S CHAMPS are: Frances Woerle, Eleanor Finch, Sally Woodfield, captain; Gertrude Swan and Ann Boratyn. ▼



# BOWLING

HIGH AVERAGE individual scorer for the season is Sally Woodfield, shown rolling the ball.



A TENSE MOMENT in the men's finals.



THE GIRLS get into action.



# BOWS OUT



FRANK KARPP, Dept. 64, again shows how he won the high individual average for the season in the men's association. He has been winning this honor for a number of years now.

Calco's bowling season came to an end last month with the customary banquets for the awards of trophies to winners among the men's and girls' leagues. The girls' bowling banquet was at the Warwick; the men's at Turner's Hall.

There were fifty-eight teams in the men's league and ten in the girls' league. A mixed doubles sweepstakes was held May 19 at the Eureka Alleys, scene of previous contests of the pin leagues.

There were 430 men and seventy girls taking part in bowling activities during the past season. Present prospects are that this number will be materially increased during the next season.

The 1947-48 bowling season will be organized in August and the first games of the new year will start September 15.

Some of the outstanding bowlers and events in the season just ended are pictured on these pages.



FOOD WAS PLENTIFUL and spirits high at the men's banquet. The speakers' table is in the left foreground.

SPEAKERS' TABLE at the banquet for the girls' bowling league. In the usual order are: Eleanor Finch, Frances Woerle, Helen Cleveland, Frances Koeneke, Virginia Marks, Sally Woodfield, Gertrude Swan and Ann Borahyn.





▲ **GIVEN SHOWER**—Alfreda Roszkowski (center) was guest of honor at a shower given following the announcement of her engagement. Fellow-employees in Dept. 65 presented Miss Roszkowski with a number of gifts.



▲ **A WEDDING SHOWER** is given by members of Dept. 65 for Julia McGrath (to right, reaching for a gift).

▲ **A SHOWER FOR JUNIOR**—Edward Farrell is given a party by members of Dept. 83, following the arrival of his first child, Edward Farrell, Jr. Mrs. Farrell is the former Mary Sinclair of Dept. 81.

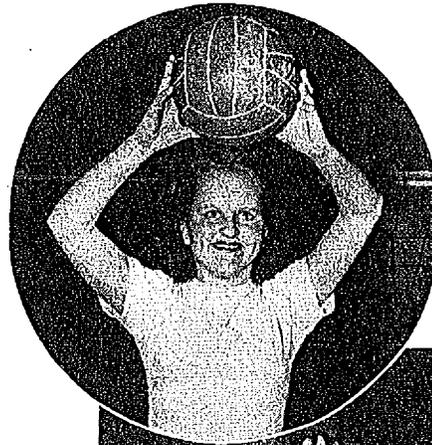


**RECENT BRIDE**—Margaret Sheridan Kelly, Dept. 20, was married May 17 at the Church of the Incarnation. ▼

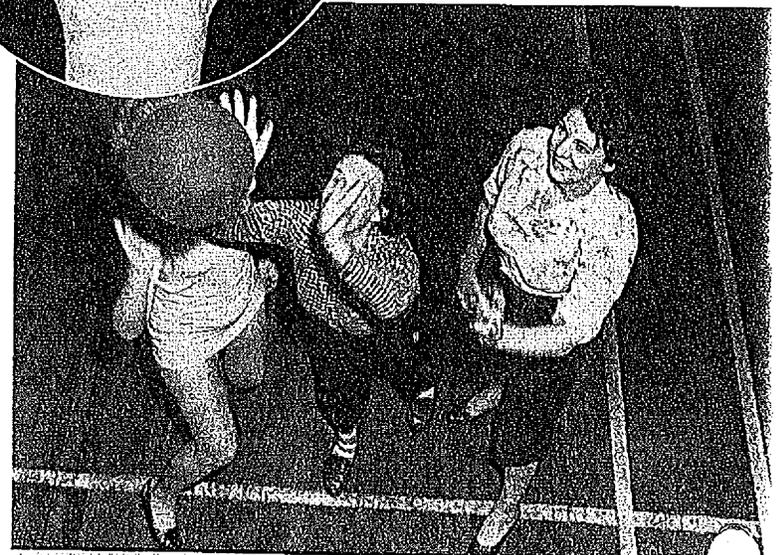


▲ **WAR ROMANCE**—Leo Lacykowski, of Plant 20, while overseas during the war, met Mary Duckering, who served in the Women's Land Army in England. As a result of their meeting, Miss Duckering came to the United States via Pan-American Airways in April and she and Mr. Lacykowski were married last month at St. John's Rectory. They honeymooned at Cape May. The groom is a quality inspector at Croydon.

*Here and There*



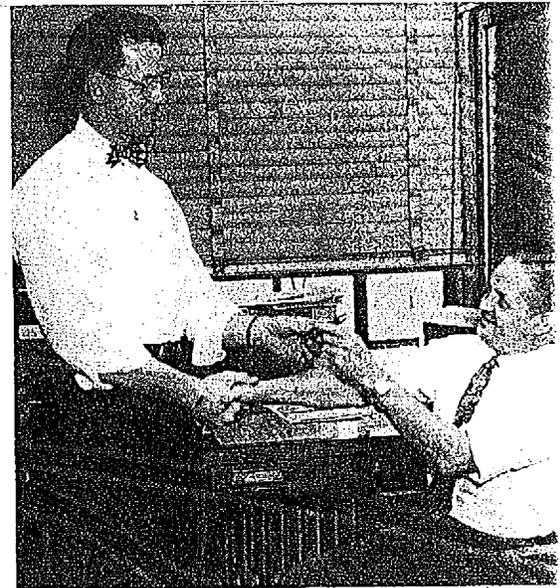
◀ **HERE, MISS GATOWSKI** demonstrates how she makes a basket in the gym at the Kensington Y.



**THREE PHILCO GIRLS** enjoy game of basketball at the Kensington YWCA. Leona Gatowski, resident of the Y who works in the Wiring Department #87 at Philco, is hidden by the ball as Norma Sheppard, who also lives at the Kensington branch and works in Department #82, Wiring, reaches for it. Paulina Breig, also from Department #82, stands guard. The gym provides facilities for exercise and recreation after working hours.

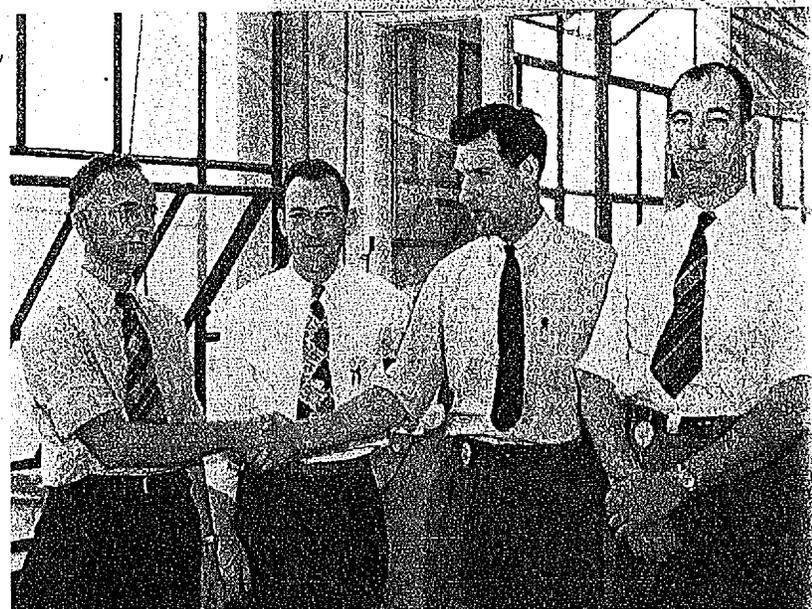


**WINNERS OF RADIOS** in a safety drawing for Dept. 85 are congratulated by departmental supervisors. In the usual order are: Anna Carven, Charles Birney, supervisor; Frances Cline, Alois Kaser, Frank Richey, supervisor.



**CONGRATULATIONS** upon becoming a father are given G. A. Roosing (left) by W. H. Brown (seated). Both are members of the Purchasing Department.

# at Philco



**CONGRATULATIONS** are offered by Waldo Hilton, test foreman of Depts. 81 and 85, to Austin Woolens on being promoted from universal trouble shooter to test supervisor in Dept. 81. He also congratulated Harvey Wiedemer (second from left) on being promoted from jump inspector to continuity and inspection supervisor in Dept. 81, and Frank Houghton (right), who has been transferred to export test and packing in Dept. 88.



**FAREWELL PARTY**—Members of the Record Changer Laboratory following a farewell party for Ralph Fox at Beck's. Mr. Fox is third from the right, standing next to Mrs. Jane Kling, Dept. 58. B. P. Haines (fourth from the left) is manager of the department.



**HAS EXEMPLARY ATTENDANCE RECORD**—Martha Turner, Dept. 84, has no absence or late marks against her name since coming to Philco in 1933.



**SUGGESTION PAYOFF**—A check for his winning suggestion is handed Arthur Steinmiller by his foreman, Fred Reed, in Dept. 84. The suggestion saves loss of pins in the alignment of speaker and bracket holes.

## GEORGE SWIFT NEW MANAGER FOR PHILCO METAL DIVISION

George Swift, who has served as Production Manager of the Philco Metal Division for the past eight years, has been named Manager of that Division. He succeeds Charles H. Godschall, who has been appointed Works Manager of the Philco refrigerator-freezer production facilities at Plant 50.

Mr. Swift joined Philco in 1929. During the war he was production manager for the Philco Ordnance Division.



PHILCO TECHNICAL REPRESENTATIVE JOHN B. SKEWIS takes a moment off from work to view the icebergs forming in Prince Christian Sound. This scene looks especially inviting when the temperature in Philadelphia begins to soar.

## PHILCO CHRISTIAN FELLOWSHIP GROUP

Interdenominational religious services are held each Wednesday from 12:15 to 12:45 by the Philco Christian Fellowship Group in the basement of Plant 2 on the Ontario Street side of the building. The group began its meetings in October, 1940, and has been holding weekly services since then.

Meetings are conducted by individuals from various denominations. There is no distinction as to nationality, race or creed. Meetings are arranged so that those who want to attend may do so during any portion of the service. Programs consist of singing well-known sacred hymns; reading from the Scriptures, prayer and a short meditation.

## PHILCO SERVICE ENGINEERS HANDLE MAINTENANCE OF COMMUNICATIONS in Iceland for American Overseas Airlines

A group of five experienced radio communications engineers from Philco recently took over supervision of all maintenance of communications facilities at Keflavik Field, Iceland, near Reykjavik, to work in co-operation with the personnel of American Overseas Airlines.

The contract with American Overseas Airlines is the first civilian con-



tract for technical service abroad by engineers of the Philco Service Division. Throughout the war and post-war periods, Philco has trained and made available large numbers of radio-radar engineers for field service overseas with the Army and Navy.

tract for technical service abroad by engineers of the Philco Service Division. Throughout the war and post-war periods, Philco has trained and made available large numbers of radio-radar engineers for field service overseas with the Army and Navy.



BRIDES-TO-BE HONORED—Departments 20, 46 and 35 at an engagement dinner at Ellers' Restaurant. Left: Guests were Eleanor Fox Durich (recently married), Eleanor Plinta and Peggy Sheridan, Dept. 20, and Eileen Richards, Dept. 46, recently engaged, and Kay Manton, who is marrying John Martello. Walter Flood (standing), supervisor of Dept. 20, keeps a watchful eye on the guests.