



Phileo News

AUGUST, 1954



PLEASE SEND ARTICLES, PHOTOGRAPHS AND DRAWINGS FOR THE NEWS TO EXTENSION 418



AFTER EIGHT AND A HALF YEARS of sponsoring Don McNeill's "Breakfast Club" radio show, Philco is now bringing the show to the homemakers of America on television as well as on radio. The show is now telecast and broadcast at the same time over the combined ABC-TV and radio networks through the "Simulcast technique." The "Breakfast Club," voted by radio editors from coast to coast as the most popular morning variety show on the air, is regarded as a tremendous video success.

CONCERT BY PHILCO BAND, SEPTEMBER 1

The Philco Band, 65 strong, will present a concert at Pastorius Park, Chestnut Hill, on Wednesday evening, September 1. The concert will mark the tenth anniversary of the band and the centennial of John Philip Sousa's birth will also be observed.

THE PLUS IN AIR CONDITIONING

Modern room air conditioners provide many comfort features besides mere cooling of air.

One of the major comfort features of room air conditioners is the wringing out of excess moisture from hot summertime air.

This wringing the moisture out of hot summer air—better known as the humidity in air—is what really makes true air conditioning. The cooling and dehumidification together bring the dry coolness that we all seek in hot weather.

And beyond this cooling and drying of overheated and moisture-laden air, today's air conditioners will heat as well as cool a room by means of a new reverse-cycle principle—in which the cooling process of the air conditioner is reversed.

Normally, an air conditioner brings cool, conditioned air into a room and exhausts heated air to the outside. But with the reverse-cycle system set for heating, the air conditioner brings hot, conditioned air into the room and exhausts the cold air to the outside.

Philco's line of 22 room air conditioners for 1954 includes the reverse-cycle heating feature among its newly styled and engineered models ranging from one-third to two horsepower.

The models include a completely adjustable window mounting for room air conditioners that permits instal-

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NEW IDEAS on the preparation of meals for the homemaker are presented by Mrs. Adelaide Fellows, Philco Home Economics Director, for a group of girls from the TechRep Division at the new Home Economics Center in Plant 2. Assisting Mrs. Fellows is Helen Peterson, of the Home Economics staff. Employees desiring to attend one of the demonstrations may call Ext. 418 to make arrangements.



RADIO-FLASHLIGHT COMBINATION

ADDED TO PHILCO LINE



PHILCO PORTABLE Radio Model 663, the newly styled radio-flashlight combination in a wide range of favorite colors.

PHILCO BLOOD PROGRAM SUCCESSFUL

The Philco blood program, which guarantees without cost blood when needed for employees and members of their immediate families, will be resumed early in December when the Bloodmobile visits the various plants.

One of the most successful years in the history of the program has just been completed. A total of 1,562 pints of blood was donated by employees. The quota was 1,500 pints of blood. At present, requests for blood under the program average 115 pints a month.

WHAT'S YOUR ADDRESS?

The Personnel Department should have your correct address. If you make a change in residence, you should immediately go to the Personnel Department and fill out a change of address form. Only a little of your time will be taken up with this procedure, but it will save a great deal of time for others who may find it necessary to get in touch with you.

PHILCO PORTABLE Radio Model 660.



The first portable radios to include a built-in flashlight have been introduced by Philco at distributor meetings across the country.

The newly styled radio-flashlight combinations are described by William Chaffee, vice-president and general manager of the Philco Radio Division, as a "natural outdoor accessory." Both radio and flashlight operate from the same battery. In addition, he said, the three new portables have the civilian defense frequencies (640 and 1,240 kc.) clearly indicated on the station dial, a feature of all Philco portables and radios.

"The unique features of Philco's new portable radios," Mr. Chaffee said, "make them the most complete general-purpose radios on the market. In addition, they will be offered the public immediately in a wide range of favorite colors."

The "personal portable" with the flashlight—the smallest "personal portable" on the market—comes in cherry, maroon, chartreuse and forest green. A larger model is offered in pine green, cherry or nutmeg, and a model with a "broad beam" flashlight is offered in maroon and forest green.

HEY, MOM, LOOK! NO DUST PAN

This is the happy refrain in an air-conditioned home. Room air conditioners screen out excess summer dust and dirt—as well as flies and mosquitoes—cutting way down on time spent doing household chores.

PHILCO PORTABLE Radio Model 662.





MR. ALLEN at work on a "Saddle Maker's Work Stool," which he is sanding with fine steel wool. The stool was formerly used for holding leather while the saddle maker worked on it. Behind Mr. Allen is a butter churn that Mr. Allen plans on making into an end or coffee table.



AN ANTIQUE DESK, original varnish removed, now has a beautiful natural pine finish. The white pitcher is Iron Stone Pottery; the chair in the foreground is a sturdy, refinished Slant Back Arrow Chair, one of a pair. Although the spindles are worn half-way through from use, the chairs are as practical as they are ornamental.



WHEN THE ALLENS bought this "Kitchen Cupboard With a High Counter Top," one of the drawers was so badly broken it required a replacement which needed to be "antiqued." The candlestick holders are of old brass, while over the cabinet is a spoon rack with very old German silver in it.

IN QUEST OF THE OLD — FOR MODERN LIVING

The Chestnut Hill apartment of James S. Allen, of the Microwave Factory Engineering Department at Plant 18, and Mrs. Allen is of particular interest to collectors of early Pennsylvania Dutch furniture and to collectors of antiques in general.

When the Allens were married in December of 1952, they decided, because of their mutual interest in history, to surround themselves with the furniture of an earlier era. Mrs. Allen was born and reared in the Pennsylvania Dutch country, and as some of Mr. Allen's ancestors had been Pennsylvania Dutch, they therefore turned their attention to this style of furniture.

"We found that by going to auctions on Saturday afternoons in

Reading and the surrounding towns of the Pennsylvania Dutch area, we were able to pick up furniture at bargain prices," said Mr. Allen in commenting on his collection. "Through a system of trial and error we found out what was valuable and what was not. Nearly everything we bought we had to either repair or refinish to make it look worthy of our home."

The Allens also collect Iron Stone Pottery. They like this because of its simple beauty. It has a tendency, with age, to take on minute surface cracks and a faint brownish stain that ties in with the color scheme of the apartment.

"My wife and I not only enjoy refinishing furniture, but we also

have a great time trying to find pieces that are rare and hard to locate," Mr. Allen states. "This gives us an excuse to stop at all the antique shops on our trips and a chance to meet many interesting people. Our apartment is in a building of Revolutionary War vintage, which gives an authentic background for our type of furniture.

"Our week-ends are now spent looking for a farm house in the country. We want one with random width flooring, a walk-in fireplace, and an open beam ceiling."

The photographs which accompany this article were taken by Don Hedin, of the Microwave Factory Engineering at Plant 18, whose hobby is photography.

THE SEAT FROM a "Buckboard Wagon" has been refinished and is used as a coffee table by the Allens. The original springs serve as legs for the table.

POTATO MASHERS, a coffee grinder, candy scale, candy jar, rolling pin and egg timer—all from the Pennsylvania Dutch country—are pictured below in the Allen kitchen.



SATURDAY IS DANGER DAY ON HIGHWAYS OF NATION

Practically all of us look forward to the week-end as a time for rest and pleasure. We can catch up on our golf game, work around the house and have some fun with the children. It's the time for going to church, watching television, listening to the ball game or visiting or being visited by friends.

The week-ends are all of those things—except on the highways. In 1953, 15,800 persons were killed and 800,000 were injured in week-end accidents, according to figures compiled and recently released by The Travelers Insurance Companies. Forty-one per cent of the deaths and 36 per cent of the injuries were recorded on Saturdays and Sundays in 1953.

Saturday continued to be the most dangerous day of the week. One reason is that more cars are in use Saturday than on any week-day. There is another distinguishing feature which sets this day apart from the others. For too many people, Saturday night is a time when drinking and driving combine. No one knows exactly how many traffic accidents are caused by drinking drivers, but everyone knows it is a major problem. Everyone needs to know that even one drink before driving is too many.

Week-ends, indeed, are a time of rest. For too many, they are the beginning of permanent rest.

THE PLUS IN AIR CONDITIONING

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lation of the unit flush or nearly flush with the window sill, or flush as a through-the-wall installation.

A pre-selected temperature level is maintained by the automatic temperature control found on many Philco room air conditioners. It is a fully automatic control that continues circulation of fresh dehumidified air while maintaining a pre-set level even though outside temperatures may suddenly drop. This is achieved by restricting the flow of the refrigerant in the unit and not by intermittent starting and stopping of the air conditioner unit.

Other features in Philco's room air conditioner line include "pump out" for exhausting stale air and odors, and an adjustable fresh air intake for bringing in fresh air. They can be operated separately or at the same time.

All models have been newly styled and the distinctive air-flow grills can be adjusted individually for directing cool air in any one of four directions. Most models are available in a mahogany or Arctic Dawn finish.



A RECORDING OF "MAMIE," a song dedicated to the President's wife and sung by Joe Amodei, of Dept. 43-506, is presented to baseball's Connie Mack by Amodei while the composer, Frank Campana, looks on. Amodei, who has worked at Philco for five years, makes the round trip to New York twice a week to study music with the former singing teacher of Frank Sinatra. The young vocalist served in the Air Force in Korea prior to being employed by Philco. "Mamie," a Tin Pan Record, is a first for Amodei.



ANTHONY OLIVERO (above, left), son of Silvio Olivero, was a June graduate of South Philadelphia High School. Young Olivero was awarded a scholarship for his high grades. His father works on the third floor of Plant 10.



ROBERT KAPPEL (above, right), graduated in June from Northeast Catholic High School for Boys, is the son of Henry Kappel, of Dept. 512, Plant 18.

JOHN H. PLATT, JR., son of Alice F. Platt, Riveting Section of Dept. 503, graduated in June from Germantown High School. He will enter Temple University, where he will be enrolled as a pre-ministerial student this fall.





▲ A PATENT is analyzed by William E. Denk, Allen V. Hazeltine and Carl H. Synnestvedt, meeting in the Patent Department Library.

◀ THOMAS E. FERRILL, JR., discusses a licensing question with Reynolds D. Brown, Jr., in the Patent Department office in Plant 2.

Philco Patent Department Combines Law and Engineering

Guiding Philco through the legal red tape of the United States patent system which safeguards our products and processes, and, at the same time, forbids our infringement of patents owned by others, is the job of the Philco Patent Department.

Located on the second floor of Plant 2, the department members keep in close touch with research and engineering developments of the industry. In view of the highly technical problems which arise in the course of patent work, the men of the department must all be experienced engineers.

Moreover, they must possess considerable legal knowledge relating to patents, and must be able to pass a stiff examination given by the United States Patent Office. The secretarial force must be familiar with both the technical language of manufacture and the legal phraseology of the patent system.

Rules and regulations of the United States Patent Office require that all applications for patents must be accompanied by drawings of the proposed device or process, along with a written description of it and statements of claims defining the invention. Examiners

in the U. S. Patent Office approve or reject the application.

The prime function of the Philco Patent Department is to make possible the unhampered production of Philco products despite the existence of patents owned by others. In order to do this, a thorough study is made, in each instance, of the non-Philco patent: how it was obtained, and what similar inventions were known before and at the time the patented invention was made.

From such a study it may be found that the patented invention was old or obvious at the time it was made, in which event the patent would probably be held invalid if brought before a court. Under these circumstances, management may be advised to manufacture the intended product despite the existence of the patent.

On the other hand, the study may disclose alternative arrangements, not covered by the non-Philco patent, in which case these alternatives are suggested to the Philco management as substitutes for the patented invention.

In some instances, however, for technical or cost reasons, it is desirable to use the invention protected by the non-Philco patent. Under these circumstances, should the patent be considered valid and enforceable, the Patent Department may negotiate to buy the patent, to exchange rights under a Philco-owned patent for rights under the desired patent, or to obtain a license from the owner, so that Philco may use the patented invention.

Thus, the investigation and evaluation of the patents asserted against Philco, and the recommendations of a prudent course of action in the light of the patent study, are illustrative of the patent license functions of the department, as are also the studies and recom-

PATENTS ARE FILED in Philco's extensive patent files by Edna M. Machino (standing) and Mary Barbieri.



recommendations as to the expedient uses of Philco's patents.

In order to place Philco in a good position to bargain with other patent owners, and in order to secure proper recognition of its own engineering accomplishments, it is necessary for Philco to obtain as many valuable patents as possible on the inventions made by Philco people.

Therefore, it is an important function of the Patent Department to select the inventions to be patented, and to prepare and prosecute the applications for such patents. Of course, these patents cannot be obtained unless a disclosure of the invention is made to the Patent Department.

Obviously, therefore, an undisclosed invention is a worthless invention to Philco, regardless of its technical merit. Since the sooner a patent application is filed the better are Philco's chances of covering the invention, it is imperative that invention disclosures be submitted promptly.

The considerable value which Philco attributes to invention disclosures is emphasized by the generous money awards given to inventors, both when a patent application is filed and when the patent, growing out of the application, is granted. These awards supplement the equally valuable professional recognition accorded the inventor whose name appears upon an issued United States patent.

Each disclosure submitted to the Patent Department is classified according to subject matter and distributed either to the Electrical Prosecution Group or to the Mechanical Prosecution Group. It is then assigned to a patent attorney to be studied from three standpoints:

1. Does it work? If so, how does it work?
2. Is it new? What similar devices have already been invented?
3. Is it now used commercially, or will it be so used in the foreseeable future?

The answers to the first set of questions are obtained by engineering study and, in some instances, discussions with the inventor. The second set of questions is answered by a study of related textbooks and magazines and copies of United States and foreign patents kept in the Department Library. If necessary, a search is made at the United States Patent Office. The answer to the third set of questions is determined by consulting the Engineering Department.

After the Patent Department is satisfied that worth-



PATENTS, examined by Marie M. Hofmackel, grant to Philco the right to exclude others, for 17 years, from making, using, or selling the inventions protected thereby.

while patent protection can be obtained for the disclosed invention, the patent attorney prepares a patent application thereon which is forwarded to the United States Patent Office with appropriate legal papers and fees. It is then necessary to convince the Patent Office of the merits of the invention, and this usually involves three or more responses and occasionally an interview in answer to objections raised by the Patent Office. If these objections are satisfied, the application is "allowed" and the patent issues after the payment of another fee.

Activities of the Philco Patent Department are directed by its manager, Reynolds D. Brown, Jr. William E. Denk is chief patent engineer and Thomas M. Ferrill, Jr., is director of license activities. Reporting to Mr. Denk are Allen V. Hazeltine, section head of the Electrical Prosecution Group, and Carl H. Synnestvedt, section head of the Mechanical Prosecution Group.

The Electrical Group, directed by Mr. Hazeltine, consists of H. Epstein, A. L. Free, R. D. Sanborn, A. Stapler and D. W. Phillion. The Mechanical Group, directed by Mr. Synnestvedt, is comprised of A. H. Charland and H. W. Clum. D. P. Earnshaw, A. J. Herz and J. W. Schilpp are engaged in the patent license program and work with Mr. Ferrill.

PATENT DRAWINGS to be submitted as part of a patent application are drafted by Matild I. Messaros and George W. Rich, Jr.



A NEW DEFLECTION yoke for color television is discussed by the inventor (left), James S. Bryan, and Patent Attorney Frank R. Trifari.



HERE and THERE
at **PHILCO**



A SLICE OF BIRTHDAY CAKE is offered by Joe Retzback, celebrating his 70th birthday, to his supervisor, Robert Morris, in the Test Section of Belt 10 at Plant 10.



JOAN SHIELDS (center) is honored at a shower given by friends in Dept. 42-575 in Plant 6 Cafeteria.



MAE HOLLIDAY is the recipient of a gift from friends in Dept. 43-506 presented by Ray Szwankowski at a shower on the third floor of Plant 3.



ETHEL GIBERSON presented William Schoellenberger with a birthday gift on behalf of the girls in the Auto Assembly Section of Dept. 41-502, at Croydon.



GIFTS AND WELL WISHES from friends in Dept. 43-506 are received by Ralph DeCristoforo upon his birthday being celebrated in Plant 3.



A GIFT FROM A GROUP of friends in the Tabulating Department at Plant 23 is examined by Janet Leckenby while Rosemary Owens (left) looks on.

HARRY SCHULTZE holds a gift from the girls in Dept. 43-506 presented at a shower in his honor given on the third floor of Plant 3.





BEST WISHES for the years of leisure ahead are wished William S. Newsome (center, wearing coat) upon his retirement after fifteen years of service with Philco. Newsome, of the Refrigeration Engineering Division at Plant 6, was presented with a gift from his many friends in the department.

INVISIBLE PRODUCT

The good craftsman, who takes pride in the things he makes, is always turning out an invisible product in addition to the one you can see. This invisible yet priceless product is good will.

Everyone has read notices of businesses changing hands which mention a sales price for "building, tools, fixtures and good will." And often the good will is valued more highly than all of the physical assets put together.

Business good will has been defined in court as "The disposition on the part of a customer to return to the place that has treated him well." It isn't any wonder that keen-minded prospective investors count good will as perhaps the most valuable thing a company can own.

In any job you may have—on the production line, in the office, or on the sales force—you have the opportunity to create this vitally important product, good will.

DREXEL GRADUATES

Eleven Philco employees were among the Drexel Institute of Technology June graduates in evening classes. They are James S. Bergey, Nicholas Brandimarte, Joseph S. Jamison, Murray R. Millet, Thomas V. Sikina, Frank Stephen Thomas, Diploma in Electrical Engineering; William F. Braun, Richard Ludwig, Thomas K. Simpson, Diploma in Mechanical Engineering; Gerald Creighton, Bachelor of Science Degree, Chemical Engineering; George Masurat, Bachelor of Science Degree, Electrical Engineering.



GIFTS AND FLOWERS are presented to Ann Stumpp (standing, with gifts) at a wedding shower given in Plant 2 Cafeteria. Ann is in the Corporate Accounting Department.



HER BIRTHDAY CAKE is shared by Gertrude Sullivan with friends in Dept. 43-506 in Plant 3 Cafeteria.

JAMES RYAN, supervisor, presents Rita Capadici with gifts on behalf of the girls in the Television Assembly Section of Department 41-502, at Croydon.





ONE OF THE GROUPS of Philco employees attending the benefit baseball game at Connie Mack Stadium. Other groups at the game are pictured on this page.

Great numbers of Philco sports lovers attended a shirt sleeve outing at the annual benefit game for the Junior Baseball Federation of Philadelphia at Connie Mack Stadium June 29. In spite of a rain that caused a 41-minute delay and limited action to seven innings in the clash between the Athletics and Phillies, the enthusiasm of the crowd was undampened.

Philco employees were seated together in the first base line section. Huge banners marked the reservation held for Philco. An accordionist provided a musical background for the group singing and the Philco Band played a number of selections and added to the gala air at the benefit performance.

PHILCO WELL REPRESENTED AT BASEBALL BENEFIT GAME





MEMBERS OF THE Accessory Division who participated in a golf tournament at Oak Terrace Country Club, Ambler, on Easter Monday. Herbert Ragan won with a low net, while Pete Halligan had the low gross. Standing (left to right) are: Jack Graham, Albert Guilmartin, Donald Clague, John Woods, Pete Keeney, Herbert Haines, Russell Keyes, Stanley Zaborowski, Joe Ward, Herbert Rider, Michael Farreny, Frank Evans. Kneeling (same order): Scott Buckingham, William Maloney, Herbert Ragan, John Kite, Jr., Arthur Jones, Pete Halligan, Elmer Kubler, William Clark.

PAMPER YOUR FEET FOR SUMMER COMFORT

Feet can be a double problem in summer. Revealing new shoe styles mean that your tootsies have to *look* pretty. And they must *feel* comfortable, even though soaring temperatures and hot pavements make them ache and burn. There's one simple solution to both problems—a sudsy foot bath.

Soak your feet in warm soapsuds for a few minutes, then go over any callused spots with a soapy pumice stone. Rinse, dry well, then sit or lie down with your feet placed higher than your head. After this, both you and your feet will feel fine and look lovelier.

GIRLS IN THE Refrigeration Division honor Mary Charlton (now Mrs. Philip Schaefer), standing, center, at a shower in Plant 2 Cafeteria.



A DUAL PURPOSE PARTY—a farewell luncheon for Donald Albus (at head of table) who is leaving to go into the Armed Forces, and an engagement luncheon for Jaan Roth and Steve Suddjian (the couple to the right of Albus)—is given by members of the G. and I. Division at Alden Park.

PHILCO EMPLOYEE HEARD IN RECITAL

Anthony L. Caggiano, of Dept. 43-544, recently gave his first public recital at the Ornstein School of Music after one and a half years of study. Tony, whose voice has been described as “transitional baritone,” is the private vocal student of Miss Irene Williams, who was also the vocal teacher of Mario Lanza.

COLONEL G. B. HOFFMAN, Director of Communications, FEAF, and Paul Whitestine, of Philco's Government and Industrial Division, test the first link of the Philco microwave system now being installed in the Kanto Plain area of Japan. Considerable savings to the Government are expected because the Philco system is not subject to the hazards of severe weather, the physical limitations of poles and wire, and the high construction costs of traversing rugged terrain. Microwave also affords increased security over land lines and conventional radio communications because the possibility of jamming, interception, and enemy sabotage is greatly reduced.

Official U.S.A.F. Photo





SPRING TRAINING has recently been completed by Richard E. Fluge, Engineering Appliance Division, a member of the Second Depot Supply Battalion, U.S.M.C.R., stationed at the Philadelphia Naval Base. First Sgt. Fluge first enlisted in 1949 and served in Korea with the First Marine Division. He re-enlisted last November.



PFC. JOHN H. STEIN photographed while on duty in Berlin. Stein, a former employee of the Engineering Section at Plant 28A, is in the Sixth Infantry Regiment.



GERALD HERSEY, formerly of Plant 50, is now stationed in Bussac, France. His mother, Marion Hersey, who recently received the above picture, works in Plant 14.



▲ BON VOYAGE is wished Jean Rabin (center, in plaid dress) prior to her departure for a visit with members of her family in Scotland. She will return to her job in Plant 6 this month.

HOWARD BYE, wiring supervisor on Belt 4, receives a farewell ► gift of a gold watch on behalf of the supervisory staff of Plant 10 from E. H. Kirkpatrick, general superintendent of Plant 10. In addition to the watch, Bye received fishing tackle from his co-workers, who extended their best wishes for his future away from Philco.

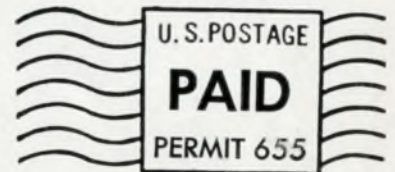


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