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OCTOBER  
1961

Philco's team of 200 volunteer solicitors in the 1962 Torch Drive for the support of 250 agencies and services will solicit their fellow workers during October in an all out effort to reach the goal of \$134,895 set as this year's quota for the corporation employees in the Philadelphia area which includes the Bluebell, Willow Grove & Fort Washington plants.

The drive's time-table calls for a successful conclusion early in November, according to J. Newton Hunsberger, Jr., Company chairman.

The theme for this year's United Fund Torch Drive is "United we live . . . United we give."

It seems to us that this timely and meaningful theme covers more than making the usual annual gift to the usual annual campaign.

For today our American way of life is being challenged by other ideologies. Those based on a social order dictated by the state hold forth the promise of a better tomorrow, particularly among the great masses of the underprivileged nations.

Thus the United Fund idea of neighbor united in helping neighbor of his own free will . . . of people determining for themselves how they can best help make a better world, becomes more meaningful than ever.

On the local level, a successful United Fund Torch Drive will demonstrate that we here in American can unite to make democracy work, whether it be in politics, personal freedom or the freedom to give.

By each of us contributing our fair share, we can show in a small way that we prefer that government which allows us freedom of choice to unite and give and thereby help make our community a better place in which to live.



**UNITED  
WE  
LIVE**

**Company Goal in United**





**...UNITED WE GIVE!**

**1962 UNITED FUND TORCH DRIVE**

**Fund Torch Drive set at \$134,895**

# Philco employees take a Look... and use our new '62 products

Philco has introduced its new lines of fine quality black and white television receivers; phonographs offering significant refinements in the art of stereo high fidelity reproduction of recorded sound, AM/FM radios; home radios incorporating an unusual "component look" highlighted by such features as a "slide rule dial" and spun metal trim, and in appliances new compact home freezers with the advanced thin wall insulation.

On these two pages are shown some of the new products being viewed and used by Philco employees.



The new flush-fit cabinet styling of Philco's "Thinsulated Wall" chest freezers is examined by Barbara Rome, Legal Department. The freezer (Model 10FH25) stores 300 pounds of frozen foods and because of the thin wall insulation gives 2 cubic foot more space for food than if the cabinet contained regular insulation material. This model is  $36\frac{7}{8}$ -inches high, 31 - inches wide and  $28\frac{3}{4}$  - inches deep and is a perfect freezer for the kitchen. The chest freezers are also available in 14, 18 and 21 cubic foot models.

The "Miss America" model in Oriental ebony is discussed by Rosemary Weltz, Appliances (left, with new wireless Directa for remote tuning) and Ann Del Riego, Philco International. The "Miss America" models also come in traditional mahogany, Danish modern walnut and French provincial maple. All have deluxe cabinetry and appointments. Each model has four speakers with a variable tone control, plus all features of Cool Chassis performance and Vivid-Vision reception.







This new 23-inch vertical console, Philco's new "Deluxe Series" of 1962 models, is about to be switched on by Rosemary Weltz, Appliances Department. A swivel console, the set is available in contemporary stylings of mahogany and blond oak veneers and solids.

The early American styling of Philco's 4842 model, finished to match cherry furniture, is admired by Joan Wasikowski, Marketing Department. This horizontal console is also styled for mahogany, modern Danish and walnut furniture.



A program of recordings is in the mind of Joan Wasikowski, Marketing Department, as she makes album selections to be heard on Philco Model 1721. A special hutch cabinet, designed to fit on top of Philco's solid top phonographs, accomodates a Philco 19-inch Compact TV with additional room for record storage, books and bric-a-brac. This ensemble offers a complete home entertainment center with an unusual "consolidated" flare.



A particularly good program on Philco's twin-speaker Model 912 AM/FM set pleasantly interrupts the reading of Joan Wasikowski, Marketing. The set has seven tubes and a silicon rectifier; automatic frequency control with a transistorized circuit to guarantee no FM drift, vernier tuning, finished band shell back. It comes in beige and ivory and white and black.







## Memories of European Trip Pleasant Ones

“Arrivederci Roma” was said by members of the Philco 1961 European Vacation group on July 30 as they boarded an Air France jet to fly them back to New York by way of Paris after two weeks of travel in England, France, Switzerland, and Italy.

“The best vacation ever.” . . . “a once in a lifetime trip” . . . “stimulating” . . . “a never to be forgotten experience” . . . “a dream come true” were among the comments made about the trip by the travelers.

The 1961 trip was to London, Paris, Lucerne, Venice, Florence and Rome, with an extended optional tour which took in Naples, Pompeii, Amalfi, Sorrento and the Isle of Capri. The overseas portion of the round trip was made by Boeing 707 jet and the land portion was by train, chartered bus and boat.

In addition to sight-seeing tours with English speaking guides, a series of “special night” entertainments

were provided in the cities visited. For example, in Paris, following dinner in a colorful restaurant in Montmartre the group attended a performance at the celebrated Lido nightclub and concluded the evening of fun with the traditional onion soup in the Paris market place. Before departure for Switzerland dinner was served at La Reine Pedauque. Other noteworthy entertainments included a “Swiss Night” of food, music and entertainment in Lucerne; a dinner party at the beautiful Il Borromeo in Florence; a gondola ride in the moonlight along the canals of Venice, and a “Roman Night” at La Villa dei Cesari just outside of Rome.

There were special luncheons at the Lido in Venice, at Amalfi and Sorrento.

As one of the vacationers summed it up: “a thrilling, memorable trip from beginning to end.”





## European Vacation to be Repeated in '62

Details of a 1962 17-day vacation trip to Europe will be announced in the next issue of The Philco News.



# Philco 2000 Computer Heart of New Space Warning System

The "heart element" of a space system for military warning has been placed in the Combat Operations Center of the North American Air Defense Command (NORAD) which, in time, will provide round-the-clock electronic cataloging of all man-made objects in space.

Called SPADATS for short, the full title is Space Detection and Tracking System. The actual "heart element" which went into service in July is the Philco 2000 Electronic Data Processing System.

As described by General Laurence S. Kuter, commander in chief of NORAD, "The Space Detection and Tracking System (SPADATS) detects, tracks and identifies man-made objects in space and consolidates and displays information regarding such objects.

"The system presently consists of U.S. Navy and U.S. Air Force operated sensors linked by a communications network to SPADATS located in the NORAD Combat Operations Center.

"An integral part of SPADATS is the data processing element which utilizes an electronic computer to analyze the inputs from the various sensors, perform orbital calculations and comparisons and catalogue the data.

"These data along with important information from a variety of other sources displayed in the NORAD Combat Operations Center form the basis of judgement and aerospace defense actions."

SPADATS cleared its acceptance tests ahead of schedule and the turnover to NORAD's operational command began as scheduled on July 1, 1961.

SPADATS requires a technical crew, the 1st Aerospace Squadron, to man it which is furnished by a NORAD component, the USAF Air Defense Command.

The main console of the Philco 2000 is explained (right) by Henry F. Argento, Philco vice president and general manager of G&I, to General Laurence S. Kuter, commander in chief of NORAD.

Observing a SPADATS program being run through the main console of the Philco 2000 are Carl Stotz, Philco Representative and Captain Billy Jackson, 1st Aerospace Squadron, NORADS.







A newsman's question is answered by Henry F. Argento, Philco vice president and general manager of G&I, at the press conference on NORAD at Colorado Springs. At Mr. Argento's left is Col. Barney Oldfield, public information officer of NORAD.



Throughout their tour of SPADATS facility newsmen showed keen interest in the Philco 2000 installation. At extreme left foreground is Clarence Burke, general manager, Computer Division.

## Philco Executive Cites Company's Growth in Computer Field

Henry F. Argento, Philco vice president and general manager of G&I, points out that the Company's Computer Division delivered and installed four days ahead of schedule the mammoth Philco 2000 Electronic Data Processing System utilized in the new Space Detection and Tracking System (SPADATS) of the North American Air Defense Command (NORAD).

"What's more," he told a two-day combined press and military-industrial conference gathered at Colorado Springs, "the speed and reliability with which the system went into operation typifies the growing resourcefulness of this division to meet commitments."

Mr. Argento participated in the briefings with General Laurence S. Kuter, Commander of NORAD, as the computer, heart element of SPADATS, formally went into operation.

The early delivery of the large scale computer was made possible by "extremely close" scheduling within the Philco organization to assemble the specific configuration required, check it out as a system, and place it in operation, Mr. Argento said.





David B. Smith, right, vice president-technical affairs for Philco Corporation is shown above with James T. Dresher, vice president-finance and treasury of Fairchild Stratos-Corporation, and Brigadier General Charles S. Hayes, commanding general of the U.S. Army Signal Supply Agency in Philadelphia, as they inspected a model of the Army Combat Surveillance Drone AN/USD-5 when the full size drone was put on public display in Philadelphia in June. The three men are standing beside the full scale drone. Philco is supplying the computer equipment for this surveillance drone which has been called "the greatest single advance in the art of surveillance since the days of the Army frontier scout and as modern as the Army missiles for which it will search out targets." The system was developed by Fairchild Stratos Corporation at Hagerstown, Maryland.

## Production of 25 Millionth Transistor Celebrated by Philco

The production of the 25 millionth Precision-Etch Transistor sold by Philco Corporation was recently celebrated at the Spring City, Pa., plant of the firm's Lansdale Division today.

In a ceremony marking the milestone in transistor marketing, William J. Peltz, vice president and general manager of the Lansdale Division, paid special tribute to the U.S. Army Signal Corps for having joined Philco in getting the first production of Precision-Etch transistors underway in 1955.

Mr. Peltz presented Colonel Douglas O. Toft, deputy commanding officer, U.S. Signal Supply Agency, with a personalized desk set displaying replicas of the first and the 25 millionth Precision-Etch transistor.

Some 200 persons, including officers of the U.S. Army Signal Corps, Philco employees and members of the press were in attendance at the celebration.

Today, Philco transistors are the most prevalently used type in high frequency electronic circuits. The firm's Precision-Etch transistors were the first to make high speed computers and cordless, portable TV sets possible. Their ability to meet critical specifications for product uniformity has resulted in widespread military usage for space and missile systems requiring ultra-reliable components.

Colonel Douglas O. Toft, Deputy Commanding Officer, U.S. Army Signal Supply Agency, Philadelphia holds 25 millionth transistor produced by Philco, which was presented to him by firm vice president, William J. Peltz (right). Philco's initial transistor production got underway in 1955 with the assistance of the U.S. Signal Corps support. The firm makes transistors on the industry's only fully automated lines under patented processing techniques and has also licensed four other companies to manufacture Philco transistors.







Visitors to the United States Exhibit at "Italia '61", the Italian Centenary Exposition in Turin, Italy, examine a mock-up of a "Courier" communications satellite built with funds provided by the Philco International Corp. Powered by solar energy, the "Courier" receives, then re-transmits electrical signals in space from earth. The solar cells for the "Courier" were made at Philco's Western Development Laboratories in Palo Alto, Calif. At left is a bilingual student serving as a translator-demonstrator at the U. S. Exhibit.

"Italia '61", celebrating the 100th anniversary of the unification of Italy, is the 101st exposition in the last seven years in which the United States has been represented officially through the U.S. Department of Commerce's Office of International Trade Fairs. Several million persons are expected to see the U. S. Exhibit during the exposition's six-month run. "Italia '61" opened May 6 and will close Oct. 31.



# Adult Science Courses for Institute

The Franklin Institute is now scheduling a series of adult science courses for this fall, it was announced by officials of the Institute's Science Museum.

Courses will include lectures and laboratory, and will be held on Wednesday and Thursday evenings from 7 to 9 p.m. at the Institute, 20th street and the Parkway in Philadelphia.

"Ham Radio" will cover radio principles and legalities needed to obtain an amateur operator's novice license, and will feature code sending. "Fundamentals of Electronics" will cover introductory theory and practice, "Descriptive Astronomy" will explain the movements of the stars and the planets, while "Photography" will include the basics for the amateur "shutterbug."

Registration is now open for the adult science courses to adults in the Philadelphia area. Applications may be obtained by writing to the Museum Office of The Franklin Institute, 20th street and the Benjamin Franklin Parkway, Philadelphia 3, Pa., or by calling LOcust 4-3600.



Farewell on behalf of members of Dept. 43-503 is said to Ruby Sheldon and Hannah Henderson (center) by Wiring Supervisor John Bergin. Both Ruby and Hanna say they plan on "taking it easy" in retirement.



▲ Wesley Kauffman receives a farewell gift on behalf of his department, Test Maintenance section in Plant 10, from his supervisor, Jack Mower, while John Donohue, (left) foreman in the section, looks on. Wesley, who retired after twenty-six years of service, plans to "relax" in his years ahead.



Fishing and "taking it easy" are the plans of Al Sessa, shown at a party in his honor upon his recent retirement after twenty-three years with the Company. Sessa, a reject control operator in the TV tuner operation in Plant 10, received a parting gift from his foreman, Martin Krivulka, on behalf of friends in the department. "All Philco-ites passing through Port Charlotte, Florida, are invited to stop to visit with Al," he said. ▼



▲ Best wishes for the future are extended Lou Michelli, who retired recently after twenty-six years with the Company. Lou received a farewell gift from friends in Dept. 43-509. His plans for the future are "to rest up" and take it easy.





The 1961 champs—the Duke team in the Philco Girls' Bowling League—are (l to r) Vickie Joll, Rita Schultz, Dean Doughty, Rosemarie Butler, Ida Lis.



Officers of the Girls' Bowling League for 1960-61 were Loretta Reichwein, sergeant at arms; Helen Mackiewicz, vice president; Pat Townsend, president; Rita Schultz, secretary, Ida Lis, treasurer.

The Transportation Department bowling team was champion of the Blue League in the 1960-61 Mens Bowling League. The Plant 6 team was champion of the Red League. Members of the Transportation League above are George Amore, Frank Gutchen, A. J. Stucker, Ray Hammer and John Dershimer. Not shown in the picture are Elmer Hanna, Curt Koeneke, John Sloan and Phil Betz. The Consumer Products team was champion of the league.



Champions for the 1960-61 season of the Philco Bowling Association,—the Consumer Products team,—are pictured above. In the usual order are Gordon Lane, H. O. Wood, Al Curl, Eli Harwan, George Nikas, Ted Pshick, Felix Molina. Art Berenbaum was absent when the picture was taken.



## New Coin Club Elects Officers

Members of the Coin Club elected Theodore Hess president of the group at the last meeting. Monthly meetings of the organization will be held for the discussion of the coin hobby and the swapping of coins among members. Other officers named by the Club are Russell Deakin, vice president; Drew Wagner, secretary, and Chester Poland, treasurer. Information about the Club may be secured from any of these officers.

## Fire Prevention Drive Set for October

"Don't Forget—fire kills—prevent fires today" is the theme developed by the Citizens' Fire Prevention Committee for the 1961 Fire Prevention Week Observance. In addition to a center city parade and other scheduled events, a series of parades and shows will be held in six areas of the city during the first two weeks of October.



A certificate of appreciation for his long service as chairman of the Electronic Industries Association's Traffic Committee is displayed by John B. Swan, Jr., general traffic manager of Philco. Mr. Swan was chairman of EIA's traffic committee for ten years, each year of which the committee's annual report "has contained an array of worthwhile accomplishments that have substantially contributed to the industries progress." The certificate held by Mr. Swan was presented at the annual meeting of the Industries Association in Chicago as a salute to John B. Swan, for a job well done and deeply appreciated by his own committee, as well as other members and officials of the EIA."



A new citizen—Jean Gerrard—stands by her new flag. Jean, a designer in the Product Design Department of Appliance Engineering, became an American citizen on July 12. She has lived in the United States and worked at Philco for the past six years. A visit to her family in England will be paid by Jean this fall.



Barbara E. Hoess, daughter of Mr. and Mrs. Hermann A. Hoess, sailed in June for three months of study and travel in Europe as recipient of the Vira I. Heinz International Student Exchange Scholarship at Beaver College. Barbara is pictured with her father who works in Dept. 43-533 in Plant 10. The scholarship winner speaks fluently both German and Spanish. She took classes in Frankfurt in June and in Valencia in July. Barbara plans to follow a teaching career.



Restaurant management will be studied this fall at Penn State by Edward E. Paprzycki, who graduated in June from Olney High School. He is the son of Louise Paprzycki, of Dept. 43-509, and Edward J. Paprzycki, of Dept. 43-503.



Sometimes the manner in which a person becomes interested in a hobby is as interesting as the hobby itself. Such is the case with Jim Ferguson, project engineer, Operation and Control Center at Western Development Labs. While recuperating from a serious accident he was advised to find a hobby. He tried flying, judo, golf, swimming . . . and then clock and watch repairing. The latter interested him so much he not only became a competent clock repairman but an avid collector of time pieces. Now there are 112 clocks in his collection. Some date back to the 1700s. Jim has over 50 books on the subject printed in five languages. He has several drawers full of small watches collected at antique shops, used furniture stores, rummage sales etc. Jim's ambition is to open a watch museum someday. He is taking a correspondence course from the British Horological Institute and upon completion of this he will become a fellow of the group.



# Philco Markets New Portable Ionitron for Airborne Allergies and Hay Fever Sufferers

Sufferers of hay fever and other air-borne allergies can now gain significant relief by a new portable negative ion generator currently being marketed by Philco for sale in drug stores.

Called the "Ionitron 5000", it is scientifically designed for consumer usage in home and office, and represents a major breakthrough in medical electronics growing out of Philco's long time research in air ionization.

This air ionizer—not a so called "air purifier"—enriches the air by generating an abundance of negative ions to relieve distress caused by these allergies. It is effective in any average size room, giving relief at a distance of six to eight feet from the user. The compact, rectangular unit—7 $\frac{3}{4}$ " high, 12 $\frac{5}{16}$ " wide, 7" deep—plugs into standard AC houselines and operates as quietly as an electric clock.

Completely safe for non-sufferers, the Philco "Ionitron 5000" has a proven history in laboratory, hospital and clinical tests in bringing almost immediate relief to 63% of all hay fever victims treated. It also carries Underwriters' Laboratories seal of approval signifying it has been tested and approved as electrically safe for home use.

## SALE AND DISTRIBUTION

The "Ionitron 5000" will be sold in drug stores. All sales will be conditional upon a 10-day free trial, and money will be refunded if the customer does not experience some relief within this time period.

In addition, Philco offers a 90-day guarantee covering all parts and free carry-in service through nearly 5000 independent dealer members of Philco Factory Supervised Service.



Philco's new portable negative ion generator which relieves distress caused by airborne allergies.

Distribution of the unit is being made through Smith, Kline & French Laboratories, Philadelphia, and McKesson & Robbins, Inc., New York, prominent wholesale drug distributors.

## MERCHANDISING

According to Bruce Lambert, Philco's manager of direct accounts, "Acceptance of the "Ionitron 5000" has been excellent to date in some nine states test marketed, and this month in the greater Philadelphia area. Our distribution will be expanded as our production of units (in Sandusky, Ohio plant) is increased."

This being a new item for the druggist and consumer, as well as a new medical instrument, "we are making our approach to retail druggists through drug wholesalers," asserts Mr. Lambert.

Wholesale drug salesmen will be furnished a special Sales Training Manual for indoctrinating the retail druggists. In addition, Philco will make available a technical paper entitled "Air Ionization Research & Development"\* covering the Company's complete work in this field. Much of this reveals the names of recognized doctors and scientists in conjunction with the various studies and tests conducted in air ionization that have made possible this outstanding medical contribution by Philco.

Mr. Lambert also announces that some consumer advertising will break this month in newspapers, and that this will be followed by trade ads with dealer listings as market penetration progresses.

## Recent PHILCO Patents

During the months of July, August and September the following patents were issued:

Means to Indicate Shorting of Precipitator by Collected Material	H. S. Lippincott	2,990,911
Tape Handling Apparatus	N. M. Emslie and B. E. Stone	2,991,920
Transducers	M. E. Swift	2,993,097
Drive Mechanism	R. H. Brill and G. J. Reed	2,993,388
Signal-Seeking Receiver	R. Bray	2,993,989
Image-Reproduction System	R. F. Shelby	2,994,802
Electrical System	S. W. Moulton	2,995,680
Servo Systems	C. S. Sorkin and M. E. Annett	2,995,694
Refrigeration Apparatus	H. S. Lippincott	2,996,895
Positioning Mechanism	W. P. Boothroyd	2,997,536
High Speed Transistor Multivibrator	M. M. Fortini	2,997,605
Flying Spot Scanner System including Correction for Shading	J. F. Fisher	2,998,480
Amplitude Selective Amplifying System	J. F. Fisher	2,999,127
Method of Fabricating Refrigerator Doors	A. F. Thielen, Jr.	3,000,058
Air Conditioning	W. H. Mullin and F. Feeney	3,000,192
Wiring Systems Comprising Panels, Components and Bent Lead Wires	R. D. Brown, Jr.	3,001,104
Card Handling Apparatus	N. M. Emslie and F. J. Reed	3,001,789





Pictured above is Heinz Henkel, (center) senior process engineer in Dept. 10-536, receiving a suggestion award check for \$1,000 from Warren T. O'Brien, manager of operations, Communications and Weapons Systems Division. At left is Alfred G. Chapman, manager of manufacturing engineering, who joins in congratulating Mr. Henkel. The winning suggestion was a revised design of the SPA-34 shelf assembly of the Radar Indicator Program. The improved design eliminated all non-functional details of the original design. Through use of heavier gauge metal, and one-piece construction, the number of components were reduced from ten pieces to four pieces, and the need for fixtures and welding operations reduced to a minimum. The event pictured above is the fourth \$1,000 award to be made under our Employee Suggestion Plan. Since January 1, 1960. More than 400 employees have collected \$21,300 in suggestion awards.

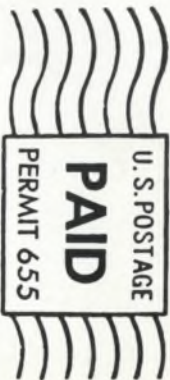
## Ideas Pay in Cash

NOW IS THE HOUR to turn in suggestions that could win cash for you in time for Christmas. Sensible, well thought out ideas for reducing cost, eliminating waste, improving performance and raising quality are always welcomed by your suggestion committee. Suggestions of merit turned in between now and Christmas time will be given special attention, and marked "rush" if an award is authorized. Cash awards paid thus far in 1961 exceed \$12,000, and many suggestions still in process will become winners. In looking for suggestions, analyze work we now do, and think of ways to do it better. Can metal finishing be reduced? Can wood finishing or repair be done more easily? Can labels be eliminated? Transportation costs reduced? Can the handling of materials and supplies be improved? Can waste be cut down? The key word for you is "method". Look at the methods we now use, and see if you can develop "a better way".

Now is the hour for you to see your supervisor; work out your suggestions, and get in on some Christmas cash!

**PHILCO CORPORATION**  
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 PHILA PA 35



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