

PHILCO
News

MAY, 1957



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

MIND OVER MATTER

Luther Burbank in his book, "The Harvest of Years," long ago sounded a warning to those who are intemperate in matters concerning their own health according to *The Pick-Up, United Parcel Service*.

"If you violate nature's laws," he stated, "you are your own prosecuting attorney, judge, jury and hangman. Nature says you must eat sanely, sleep soundly, care for your body, avoid anger and hatred, be industrious, sober and self-respecting, and if you flaunt her laws you just naturally walk right into the jail of indigestion, nervous prostration, ill health, a bad heart, worthlessness and failure. There is no appealing the case and there is no alibi possible."

More devastating to one's well-being than the physical abuses we subject ourselves to are the mental debaucheries we indulge in. Medical and social researchers have found that worry, unhappiness, emotional disturbances and nervous strain exact a far heavier toll. That humorous quip about an epitaph on a hypochondriac's headstone declaring "I told you I was sick," carries more truth than fiction.

Dr. Walter W. Daniel, an Atlanta, Ga., physician, is quoted in the *Atlanta Constitution* as attributing all sorts of aches and pains, backaches, headaches, heart

(Continued on page 5)

PHILCO'S MICROWAVE EQUIPMENT ACCESSORY LINE FEATURED AT PIEA

Philco had an outstanding display at the PIEA annual meeting in the Shamrock Hotel, Houston, Texas, on April 16-18. The display featured Philco's new microwave communications equipment, the CLR-8. This new line is capable of providing 240 voice channels over a single R.F. path.

Guests who visited Philco booths 31 to 34 had the opportunity of testing their skill and receiving an award while observing the microwave products.

The display stressed the outstanding features of the equipment . . . highest power output, extreme reliability, one hundred per cent standby and built-in meter and test facilities.

Representing Philco's G. and I. Division at the PIEA Annual Meeting and Convention were: Marshall Williams, general sales manager; K. Moritz, sales manager; M. L. Long, supervisor of systems engineering; James Johnston, sales engineer, Dallas; Ray Schaeper, advertising and sales promotion.

NEW FORWARD SCATTER TECHNIQUES DEVELOPED AT PHILCO

Philco has announced the development, for the United States Air Force, of a new microwave system which employs the principles of tropospheric scatter. Operating at super-high frequencies in the 7,125 to 8,500 mc/s band, it will permit single communication links up to 200 miles in distance.

Research by Philco engineers has culminated in the development of the new system which now permits transmission at these super-high frequencies.

This development has resulted in the design of a four-cavity klystron amplifier rated at 2,000 watts continuous power.

Two 28-foot parabolic antennas are incorporated in a system, each of which develops a gain of 54 db and projects narrow beam-width of 0.3 of a degree. The resulting high directivity is effective in reducing interference from aircraft in or near the scattering volume.

(Continued on page 10)



THE NEW INTEREST RATE for Government Savings Bonds is examined by Joan Keim, a typist in the TechRep Division, following announcement that President Eisenhower had signed into law the boost in interest. The law makes \$18.75 bonds worth \$25 in eight years, eleven months, after purchase instead of the previous nine years, eight months. The rate, which applies to Series E Bonds and also Series H Bonds that have a face value of \$500 or more, is retroactive to bonds purchased in February of this year. Those who might be interested in purchasing Series E Bonds through the Philco Purchase Plan should consult their Personnel Department to help start saving for the future.

NEW COLOR X-RAY VIEWER EXTENDS HORIZONS OF RADIOLOGISTS' VISION

The development of a color X-ray viewer system that increases the readability of X-ray pictures through the use of contrast enhancement and color TV techniques has been announced by Philco.

The Philco "Exicon" X-ray viewer system performs three essentially different, but equally important, functions to quickly and accurately extract a maximum amount of information from an X-ray transparency, according to Dr. J. Gershon-Cohen, chief of radiology of the Einstein Medical Center, Northern Division, Philadelphia. Dr. Gershon-Cohen, who has been in close contact with Philco, Government and Industrial Division, research engineers during the development of the "Exicon" X-ray viewer, said that the system "enhances X-ray contrast in 'gray scale' variations, increases readability by utilizing full color and magnifies an area being viewed."

Before processing the information contained on an X-ray negative through a contrast-enhancing device and a color converter, the information must be transformed into an electric signal. This is accomplished through the use of a Philco flying spot scanner. The heart of this device is a cathode ray tube. By means of a sharply focused, internally generated, electron beam, a very small spot of high luminous intensity is produced on the tube's phosphor screen. This bright spot is then focused by a lens system upon the X-ray transparency under examination.

An amount of light, proportional to the transparency of each small area of the negative, passes through the negative and is picked up by a photo electric tube. There the light is transformed into a video signal which is then amplified. This signal is then fed to a contrast-enhancing device in which adjacent areas having a difference in brightness that is hardly discernible may have their relative contrast enhanced well above the threshold of visibility. This TV signal is now fed to a black-and-white monitor and through a color monitor where the X-ray picture is reproduced in color.

On the color monitor, the strongest signal obtained from particularly transparent sections of the X-ray negative will be portrayed as the color red; the weakest signal will show up as blue. Between the extremes, colors range through orange, yellow, chartreuse, green and cyan. The system has been made sufficiently flexible so that different color sequences may be utilized. It is also possible to electronically convert the image from a negative to a positive in an instant.

The new Philco "Exicon" viewer has already attracted considerable attention in the medical profession. A prototype model is currently being demonstrated before representatives of a number of major civilian and military medical installations.

Other uses for the new system now under study are: aerial reconnaissance, air traffic control and various industrial techniques such as those employed in the fields of metallurgy, chemistry and pharmacology.



DONALD G. FINK (right), director of research for Philco and one of 12 new members of the Army Scientific Advisory Panel, receives a certificate of appointment from Undersecretary of the Army Charles C. Finucane at an official dinner at Fort Benning, April 9, honoring the panel. Forty-five leading U. S. scientists and industrialists attended the panel meeting at the U. S. Army Infantry School in April to pool their talents toward improving the U. S. Army's combat potential.

PHILCO OFFERS 3 AND 5-TON SPLIT SYSTEM AIR-CONDITIONERS

Philco has announced the addition of a 3 and a 5-ton split system air-conditioner in its commercial line.

At the same time, John L. Goldschmeding, Jr., air-conditioner sales manager, announced the appointment of James M. Black as sales representative—commercial air-conditioning to direct the sales of these new air-conditioners.

Mr. Black will maintain his headquarters in Philadelphia. He has been with Philco for 10 years on air-conditioning service and sales training. While with the Navy during World War II, he was the second man to be named a refrigeration specialist-machinist mate. Mr. Black was attached to the Admiral's fleet and saw service in the European and Pacific theaters.

The new split system air-conditioners will include evaporator blowers, horizontal coils and "A" type coils. The three-ton unit is Model AC-3071, single phase, and the five-ton, Model AC-5071, single and three phase. Both models are now in production.

The two systems are adaptable to installation in up-flow and down-flow heaters, installation in attic or crawl space with independent air distribution systems, or installations with the condensing unit located outside a building or home.

The evaporator-blowers can be adapted to commercial installations such as drug stores, food markets, shopping centers, as either free flow or with their own distribution system.

In addition to the two split systems, Philco's residential air-conditioners also include a self-contained two-horsepower model, 200-R, which can be adapted to commercial installations. This model is available with an air distribution kit.

FIRST AID TO A HAPPY VACATION

You'll feel more assured—and perhaps return from your vacation in better shape—if you learn these principles of first aid before leaving. According to Dr. John Henderson, author of *The Complete Book of First Aid*, a paperback book published by Bantam Books, here's what you should know:

HEAT

Severe sunburn should be treated with a good burn ointment, like any other burn. Suntan lotion is good before exposure to the sun, but does little good afterwards. If no burn ointment is available, use baby oil or petroleum jelly. Aspirin will relieve the general discomfort, and the patient should drink plenty of water.

Heat cramps result when the body loses too much salt through perspiration. Treatment: Coated salt tablets. If salt tablets are not available, a teaspoonful of salt in a pint of water will do the trick.

Heat exhaustion is characterized by a cold and clammy skin, weak pulse and shallow breathing. The onset is marked by dizziness, a feeling of fatigue, sometimes even unconsciousness. Treatment: Remove the patient to a cool place, place him in a reclining position with his feet raised, and loosen his clothing. Fan him and place cool, wet cloths on his forehead and wrists. Upon recovery, give him cool, sweetened drinks—preferably coffee or tea.

Sunstroke is far more serious than heat exhaustion, and medical aid should be sought immediately. The skin becomes dry and very hot, and the patient's temperature may rise to 106° or more. Treatment: Place the patient in a tub of cold water—with cracked ice, if possible. When his temperature goes down to near normal, remove him from the tub and wrap him in sheets soaked in cold water. Fan him. If his temperature rises again, put him back in the tub.

BITES

Insect bites should be treated by removing the stinger, if present, then applying a solution of Epsom salts to draw out the poison and reduce the swelling. A black widow spider bite produces severe abdominal pain. Treat as you would for a snake bite.

POISON IVY, OAK AND SUMAC

Everyone should learn to recognize these plants, and remember that "natural" immunity often disappears. Immediately after contact, the skin should be scrubbed thoroughly with a strong soap, allowing the soap to remain on the skin for several minutes after the cleansing. Once the skin is irritated by poisonous plants, avoid water, oily ointments or alcoholic solutions. Calomine lotion will relieve the itching, and severe cases of plant poisoning require medical attention.



ONE HUNDRED FRIENDS and fellow-workers of J. J. McDevitt (center, with pipes) joined in giving him a testimonial dinner last month at North Hills Country Club to wish him good luck in going into business for himself. At the time of his resignation from Philco, Mr. McDevitt had been with the Company for twenty-nine years. He was manager of Plant 18 and is succeeded by William Liberton (left in photograph). Joseph A. Lagore, Vice-President—Manufacturing, Government and Industrial Division (standing, above), presented, on behalf of those attending the dinner, Mr. McDevitt with a wrist watch, a dispatch case and pipes. Sam DiRenzo is seated at the left of Mr. McDevitt and Jack Webb, production supervisor, is next to Mr. DiRenzo.

The 35,000,000 Americans who now own cameras spend \$536,000,000 annually on equipment, photo-finishing and photographic supplies.

* * *

The biggest aluminum smelter in the world—operated by Aluminium Limited and located at Arvida, Quebec—can produce more than 360,000 tons of ingot in one year.

* * *

More than 6 billion cigars were smoked in the U. S. last year, mostly by males. (Mostly?)



JOSEPH (DUTCH) MARTHA is shown with the team he coaches in his spare time, the Hawks of the White Marsh Bidy Basketball League. Dutch, who has been coaching the team for the past two years, is in Dept. 43-503. Joseph Braun, Jr. (far left, standing), is the son of Joseph Braun of Philco.

NEW REPLACEMENT PARTS PROGRAM ANNOUNCED BY PHILCO

A new replacement parts program for all Philco consumer products to insure prompt service throughout the United States has been announced by Ray Nugent, general manager of the Company's Accessory Division.

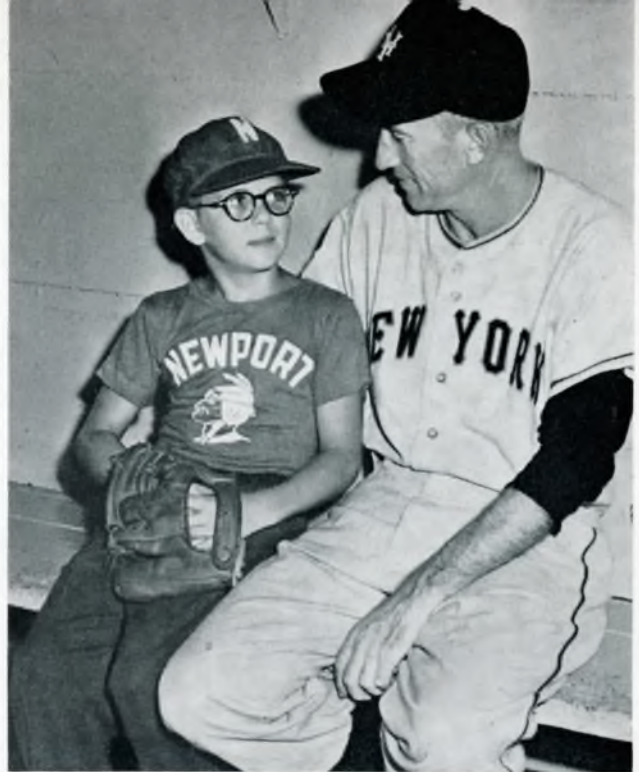
Known as "Factory-Distributor 90-Day Service Parts Program," it calls for a balanced inventory of service parts in each Philco distributing territory. The program is the joint responsibility of all Philco distributors and the Accessory Division of Philco.

"We recognize the important customer relations effect that prompt and efficient service plays in the growth and strength of appliance dealers," Mr. Nugent said. "The new service parts program will strengthen the position of all Philco dealers, because it calls for adequate replacement stocks and special 24-hour service from factory to distributor for any special parts needs."

The new five point program calls for:

1. Maintain a balanced 90-day inventory of service parts in each Philco distributor territory.
2. Provide "emergency" service to Philco distributors for critically needed parts on a 24-hour basis.
3. Provide Philco distributors with printed order forms covering the fastest moving service parts.
4. Provide Philco distributors with "Service Parts Sales Frequency Reports."
5. Provide Philco distributors with authorization to return service parts on a percentage purchase basis.

The program, Mr. Nugent pointed out, is designed to protect the distributor from loss through excessive



WHEN RIGNEYS GET TOGETHER—there's a great deal of talk about baseball. Above, William Rigney, Jr., son of William Rigney of the Philco Appliance Model Shop, visits with Bill Rigney, the New York Giants' manager. Although there is no relationship between the two Bill Rigneys, they share enthusiasm for baseball. Young Rigney received a baseball autographed by the Giants team following his visit with the manager.

inventory of items, but at the same time allows him to carry all necessary service parts.

The special emergency order form for replacement parts requires shipment from the factory by the fastest possible means such as Air Freight or Air Parcel Post.

To help guide distributors in the ordering of replacement parts, Philco's Accessory Division will issue an IBM tabulated report to be known as "Service Parts Sales Frequency Report." This report will be a sound guide to help distributors in knowing what service parts are needed for their territory.

Mr. Nugent reported that response from Philco's independent distributors and factory branches to the new program has been excellent.

MIND OVER MATTER

(Continued from page 2)

conditions and so on, to the "disorders of thought" that are now so prevalent, especially among business men. He has said that when emotions are aroused more adrenalin is poured into the blood stream producing high blood pressure and occasionally, even death.

His advice is to adopt a healthy mental attitude, to stay happy, and he offers these suggestions as a means of achieving that ideal state:

Learn to enjoy your work.

Have an objective.

Have a hobby.

Learn to like people.

Learn to be satisfied with your lot.

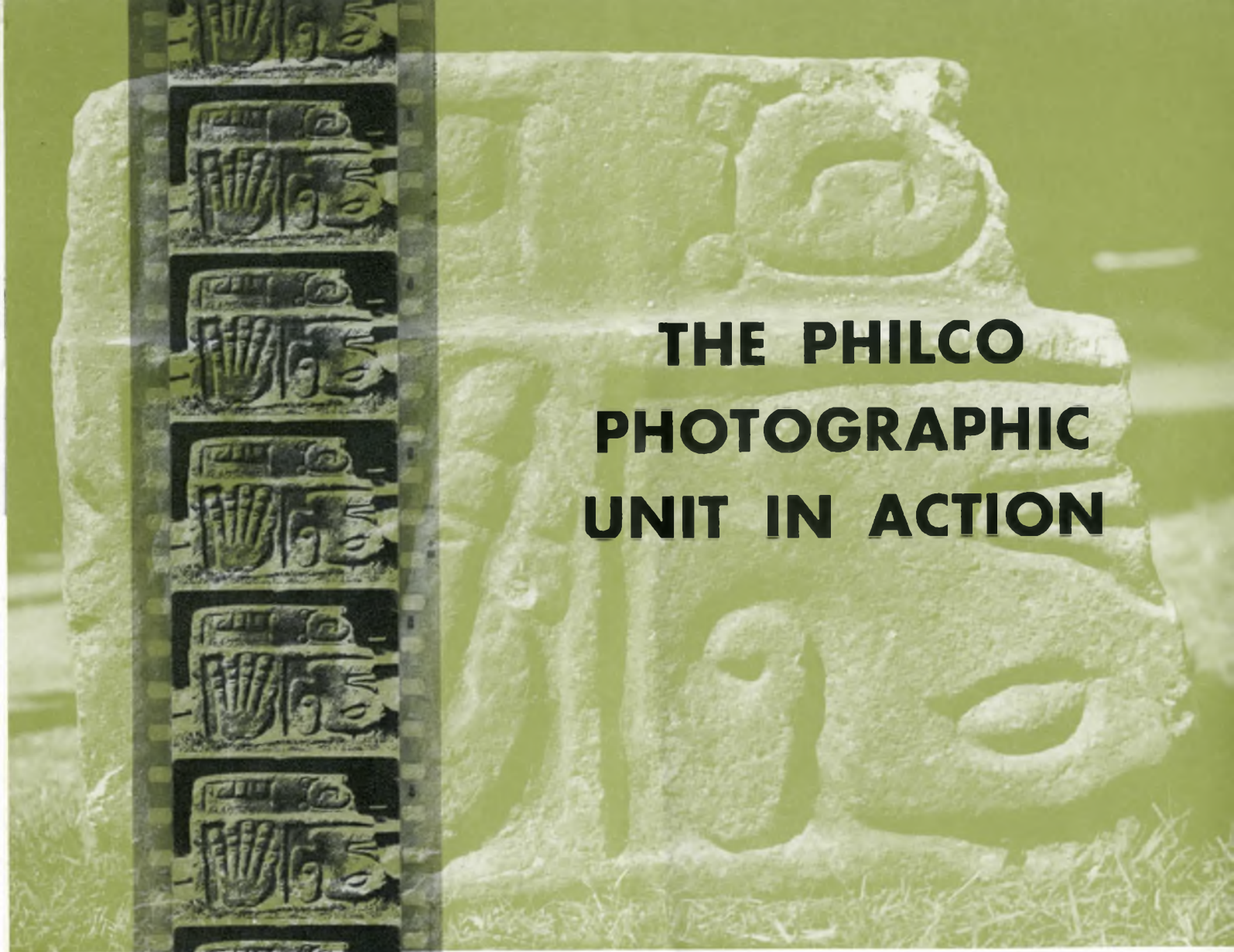
If you can't change a situation, accept it.

Learn to say something light and cheery.

Learn to meet problems with decision, and after making a decision, don't worry about it.



A PHILCO CLOCK-RADIO is presented to Mary Coulter on behalf of friends in Dept. 43-503 by her supervisor, Thomas Miller, upon her retirement. She had been with the Company for the past twenty-five years. The party was given on the third floor of Plant 10.



THE PHILCO PHOTOGRAPHIC UNIT IN ACTION

The ancient Aztecs laboriously carved their messages into stone. Today, we at Philco express ours with far greater impact through the medium of sound-color motion pictures, using the combined visual and audio senses to graphically illustrate our messages to large audiences, on the motion picture screen and through the modern medium of television. Few industrial organizations can boast of a motion picture unit comparable with ours here at Philco. The department was actively formed less than four years ago. Sound studios with complete 16 and 35 mm filming, editing, and sound-recording equipment are staffed by personnel with high professional experience, assuring outstanding productions. In the short time of its existence, the list of film productions includes such diversified subjects as air-conditioners, television, phonographs, automation, radar, washing machines, antennae, kitchen units, various household appliances manufactured by Philco, as well as high-speed test analysis of operational functions, and scores of TV commercials. In addition, filmstrips, slides, and recordings on record and tape have assisted in presenting Philco's new lines. Still photographs, in color and black-and-white, have been incorporated into many publications, news reports and manuals.

Select audiences such as the Philco distributors and their thousands of dealers, the general public embracing millions at their television receivers,



REFLECTORS, "cookies," and an assortment of lighting equipment provide the necessities for good photography. A TV commercial is being filmed on a portable TV receiver having "Scan Tenna."



CLOSE-UP of an onrushing train being filmed for a story on Philco Microwave equipment.

have viewed our films and film commercials. Many of these films have been shipped by request to distributors in foreign countries.

More and more organizations have come to recognize the advantages in employing motion picture films to tell their story—condensing long periods of time, labor and events into a fifteen-minute or half-hour film. Occasionally, another company learns of Philco's Photographic Unit and desires a film produced by them. Such was the case with the Standard Pressed Steel Company of Jenkintown, Pa. They had perfected a clever method of assembling slide-in steel shelves; the resultant film explained the advantages, assembly and construction embodied within this radically new shelving.

An outstanding color film "Teamwork in Action" has just been completed. This shows the prospective TechRep and the various governmental agencies that utilize our personnel, how Philco TechReps are trained, and how they co-operate with the Armed Services all over the world, installing and maintaining complicated electronic equipment. The majority of these scenes were filmed by the Philco Unit on location at military installations throughout the United States. Choice scenes, such as the launching of rockets, guided missiles, and the detonation of the hydrogen bomb, were secured from film stock libraries. John Facenda, well-known radio and television personality, does a splendid job as narrator.

Another film on the manufacture of Philco transistors will be shown at the next June convention. Philco, ever progressive and far-planning, assures her continued position of leadership within the fields that have made her "Famous for Quality the World Over."



◀ **ENGINEERING DEPARTMENT** of the Accessory Division illustrates the circuitry of newly designed test equipment. The film medium will take the audience to a close-up of the subject to enable its visualization of the story, simultaneously being explained by the narrator.

CO-OPERATION of the Armed Forces was ▶ obtained for this sequence illustrating communication to an anti-aircraft battery.





ANNE JOHNSON, vocalist with the USO Camp Show, the *Quaker City Varieties*, leaves next month on an overseas trip. Miss Johnson, who works in Dept. 43-503, leaves June 16 from McGuire Air Base to entertain the American Air Forces in the Azores, Keflavik, Iceland and Bermuda.

LIGHTNING DOES—

strike twice in the same place, in such places as open fields, on hilltops, near isolated trees, and small shelters that are in exposed locations. When it begins crashing around, get into a valley or a thick grove of trees; if out in a boat, head for the shore! You're pretty safe in a car with a metal top. Indoors, keep away from chimneys, fireplaces, and metal objects.

SIX PHILCO-ITES were members of the Kenrich Minstrels' Show held recently at the Kenrich Club. Included in the group are: Ed Patterson (second from left, rear), Kyren (Fish) Heins (third); in same order, seated: Bud Fenerty (fourth), Ed Sweeney (fifth), and Joe Heins (sixth). John (Chubby) Sands is second from the left in black-face.



PLANT 50 PERSONNEL and security employees, headed by Supervisor Gene McCoy, wish Max Miller happiness and good fortune upon his retirement.

GOOD OLD DAYS WERE TOUGH

It's a popular notion that it was easier to start a new business back in the last century, before there was any such thing as "big business." But the fact is that starting a new business then was more difficult than it is today, Henry B. du Pont said recently in a speech.

Capital, he pointed out, was extremely scarce. Markets were limited. Communications and transportation were slow and hazardous—which meant that collections were delayed and credit risks were multiplied.

"The good old days in this respect were not so good as some would have us think, except in one important respect," said Mr. du Pont. "With the birth of the new Nation, there had been born a new concept of freedom for the individual. It gave us a way of life which, by unleashing our energies from unnatural restraints, would bring forth the best effort of all the people."



YOU CAN'T TRUST ANYONE THESE DAYS, according to 1-year-old Tommy Keane, shown in the first picture with his pet parakeet, "Pretty Girl." In the second picture, you see Tommy's reaction when "Pretty Girl" bit the hand that was feeding him.

Tommy is the son of Jack Keane of Philco International. Jack's hobby is photography and he has a good subject in Tommy—and the parakeet.

GOOD NEWS FOR MOTORISTS

A special editorial feature was offered by *Parade Magazine* on April 28 in its second annual Turnpike Guidebook and Guidemap. The Guidebook is a unique collection of new facts on turnpikes which will be invaluable for the millions of motorists planning a driving vacation this summer.

This up-to-the-minute Guidebook contains the status of new turnpikes and other expressways revealed for the first time, plus fees, the average distance between restaurants and average driving times.

The 24-page manual also touches on such subjects as "Do's and Don't's of Turnpike Driving," "How to Eat on Turnpikes," "Where to Stay," "Turnpike Chart," "National Parks," "Calendar of Major Events" and "Magic Carpet Tours."

The Guidemap has been expanded to include every mile of turnpike built during the year, plus new routes which will be opened during the summer and fall. In addition it shows national parks, major lakes, rivers and mountain areas.

After reading it, Secretary of Commerce Sinclair Weeks commented, "*Parade* is performing a distinct public service in issuing this fine and useful Turnpike Guidebook at a time when millions of motorists will be taking to the road for their vacations."

The Guidebook and Map can be obtained by sending 25¢ to *Parade*, Box 475, Dept. 18, Radio City Station, New York 19, N. Y.

* * *

All estimates show 1956 frozen food sales to be 35 per cent greater than those in 1954. Fish sticks were the most popular frozen fishery product, with shrimp second and fillets third.

Usually the first screw that gets loose in a person's head is the one that controls the tongue.

* * *



"MRS. EL PASO" IS MRS. PHILCO TOO. Darlene Jones, here with her husband, Philco TechRep Field Engineer Robert T. Jones, after returning from state-wide competition in Dallas. Mrs. Jones' home-making skills, poise, and personality copped first prize in local "Mrs. America" contest, won her place as one of three finalists for "Mrs. Texas" title. Bob Jones serves as a TechRep Division instructor at the Army Antiaircraft and Guided Missile School at Fort Bliss. The Joneses have two sons—Steve, 5, and Teddy, 3.

YULE GIFT FOR SPRING

A Christmas gift that was not put to use until this spring was presented to his parents by Carl Voelker, of Philco's Photographic and Recording Division. Last Christmas Eve Mr. and Mrs. John Lokar, the parents of Mr. Voelker, received two enormous and heavy packages from their son. When these were unwrapped they found, at the bottom, two envelopes containing an all-expense vacation abroad. The Lokars recently departed by plane to enjoy their Christmas gift.

IT'S YOUR MOVE

Please let your Personnel Department have any change you have made in address. Your records should be up to the minute with the Personnel Department.

If you change your residence, you should go immediately to the Personnel Department to fill out a change of address form. This takes very little of your time, and it saves a great deal of time for others.

"Sin has many tools, but a lie is the handle which fits them all."—*Oliver Wendell Holmes.*

* * *

Almost 60% of all women who work are married; nearly a third have children under 18.

* * *

SIGN OF THE TIMES—On the rear of a truck: "Don't Insist on Your Rites!"

* * *

Tongue Twister—A group of words that get your tang all tongued up.



GENERAL EARL F. COOK, the commanding general of the U. S. Signal Corps Engineering Laboratories at Fort Monmouth, N. J., and his staff recently visited Philco to receive a complete briefing on Philco's progress in transistor research and development. A morning session was held at Plant 2 and in the afternoon the group visited Plant 50. Front row, left to right: Lieut. C. A. Trowbridge; Col. H. E. Price; H. F. Argento, vice-president and general manager, G. and I. Div.; Brig. Gen. E. F. Cook; J. H. Gillies, executive vice-president—Operations; Col. C. A. Brown; D. B. Smith, vice-president; Col. R. P. Haffa. Standing: Dr. H. Jacobs, W. V. Organic, Dr. H. A. Zahl, Austin Day, W. Doney, Charles Blair, D. Hamsher.

NEW FORWARD SCATTER TECHNIQUES DEVELOPED AT PHILCO

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The receivers have been greatly improved because of the demand for lower receiver noise levels. As there is poor correlation between signals received at points more than 100 wave lengths apart, the use of two receivers for diversity reception greatly increases the probability of finding a useful signal at one of the receivers. The outputs of the two receivers are combined in a diversity combiner, developed by Philco, which has eliminated the switching transient problem of present-day combiners and provides 3 db better performance as well.

The use of tropospheric scatter systems will result in exceedingly lower maintenance problems due to the fact that only two stations are required for hops up to 200 miles. For military use, the narrow beam-widths greatly reduce the chance of signal interception and the smaller number of stations lessens chance of damage by enemy action. The Philco tropospheric scatter system has several advantages over existing scatter systems. The frequency of transmission utilized in Philco's system will provide the extremely wide video band-widths necessary for the transmission of television or radar signals. In addition, the components utilized are considerably smaller than those presently available, thereby better lending themselves to portable applications. Finally, less interference due to aircraft will be experienced because of the extremely narrow beam-widths.



A CERTIFICATE marking the completion of the tool apprenticeship program at Plant 50 is presented to Henry Logue, Dept. 11-507, by D. J. Kooker, plant manager.



DOROTHY ZARALLO is guest of honor at a shower given at Alden Park Manor by friends in Depts. 10-506 and 10-529 in Plant 50.



FRIENDS IN REFRIGERATION ENGINEERING of Theresa Desiata tender her a luncheon and shower in Plant 2 Cafeteria.

WHAT IS A DAD?

(With apologies to Alan Beck who wrote "What Is a Boy?" here is what that boy might have written.)

Somewhere beyond the call of Mother, the supper dishes and a dripping faucet, we find a delightful creature called a Dad. Dads come in assorted sizes, weights and colors, but all Dads have the same creed: To grumble about all the things they're asked to do, but to do them; to pretend that affection is something only for women, but to do more bragging about their family in one evening out than Mother does all year; and to always be stern with the kids, but never to spank them unless Mother insists.

Dads are found everywhere—on the roof, in the basement, under the car, but never where they're wanted. Mothers scold them; little girls like to sit on their laps; older brothers pester them for the car and older sisters for a new dress; little boys only ask them questions they can't answer; and ministers wonder why they don't come to church. A Dad is a refuge, with a screwdriver in his hand; a comforter, with a cheek like sandpaper; a lecturer on medicine, who doesn't like castor oil either; and a promiser of big things tomorrow, when there's a fight on television tonight.

When you think a Dad is going to bawl you out, he gives you a quarter and starts talking about things he did when he was a boy. When you ask him to show your friends the medal he won for high jumping in high school, he acts like it wasn't anything at all and then gets mad when you remind him what he said about it the night before.

A Dad is a composite: He's a plumber, electrician, mechanic and repairer of toys; he's a consultant on neighborhood problems; he's a cook when Mother's away; a comedian when he puts the kids to bed; he can spell, work arithmetic problems, point out the Big

Dipper and play baseball; but he can't remember anniversaries or birthdays.

He likes steaks, pipes, newspapers, the people on the other side of town, scotch and soda, Mother, torn and greasy clothes, dances (like the can-can and hula-hula), football games and Betty Grable. He is not much for neckties, symphony concerts, bridge, Frank Sinatra, or bills.

Nobody else knows more about politics or has more trouble getting up early to vote. Nobody else gets so much fun out of a broken down camshaft, new toggle switch or a burlesque show. Nobody else can cram on one small work bench complete collections and ample quantities of nails, screws, hammers, saws, and chisels, three half-empty cans of paint, five pounds of putty, four three-foot 2 by 4's, Mother's old mixer, and a dismantled motor from an ancient washing machine.

A Dad is a wonderful guy—you can hide his cufflinks so he'll never find them, but you can't hide your wonder at the things he can do. You can keep him away from your secret hideout, but you'd rather share your secret with him. Might as well give up and take him as he is: He crabs about your report card, your grimy hands, standing on the furniture and cramming food in your mouth—a blustery, grumbling, critical giver of orders. But when you get in real trouble and figure the F. B. I. will be after you any minute, he can make the world solid and secure again when he puts his arm around your shoulders and says, "Don't worry, son, I'll take care of it."

The above, written by C. L. Christophersen, assistant supervisor of Industrial Relations at the Youngtown Sheet and Tube Company, first appeared in *The Bulletin* of the Company. It was copyrighted in 1952.



NANCY E. WHITTEN, a senior at the University of Delaware, has been awarded a \$600 graduate scholarship for study next year at Bryn Mawr College. She is the daughter of Frank D. Whitten, manager of Electronics Service. Miss Whitten, who is majoring in history, is writing a thesis on "The Justices of the Peace in England During the 18th Century." She is a member of Phi Kappa Phi, national honorary scholastic society.

The National Office of Vital Statistics reports that there are more births in September than in any other month of the year.



ARMY PRIVATE DAVID M. WHITMIRE recently graduated from the Military Police Training Center at Fort Gordon, Ga. He was in the Engineering Model Shop at Plant 50 before entering the Army in November, 1956. He received basic training at Fort Jackson, S. C. Pvt. Whitmire graduated from Abington High School in 1952. His wife, Joan, lives at 2117 Woodlawn Ave., Glenside.

MEMORIAL DAY

Not long after the end of the Civil War, the women of the South began visiting the graves of the soldier dead in their communities and decorating them with the first flowers of spring. Many Northern soldiers had been buried where they fell, and the Southern women placed memorial bouquets and wreaths on their graves as well as upon those of the troops of the Confederacy.

It was not until May 30, 1868, however, that Memorial Day became a formal observance, under the auspices of the Grand Army of the Republic, organization of the Union veterans. Over the years, the day has become one for the honoring of all of America's military dead.

There are only two things that will stop office gossip: the hands of the clock at 5 p.m.

If it is kept as busy circulating as it should, the average \$1 bill will wear out in about 9 months.



DANIEL FASCIONE of the Wage and Salary Division is a member of the cast of "The Pirates of Penzance" to be heard at Longwood Gardens, June 22, for the benefit of the Pennsylvania Hospital and Alfred Reginald Allen Memorial Fund of the University of Pennsylvania. "The Pirates" was given in its first two performances at the Academy of Music earlier this month by the Savoy Company, America's oldest Gilbert and Sullivan Company.

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