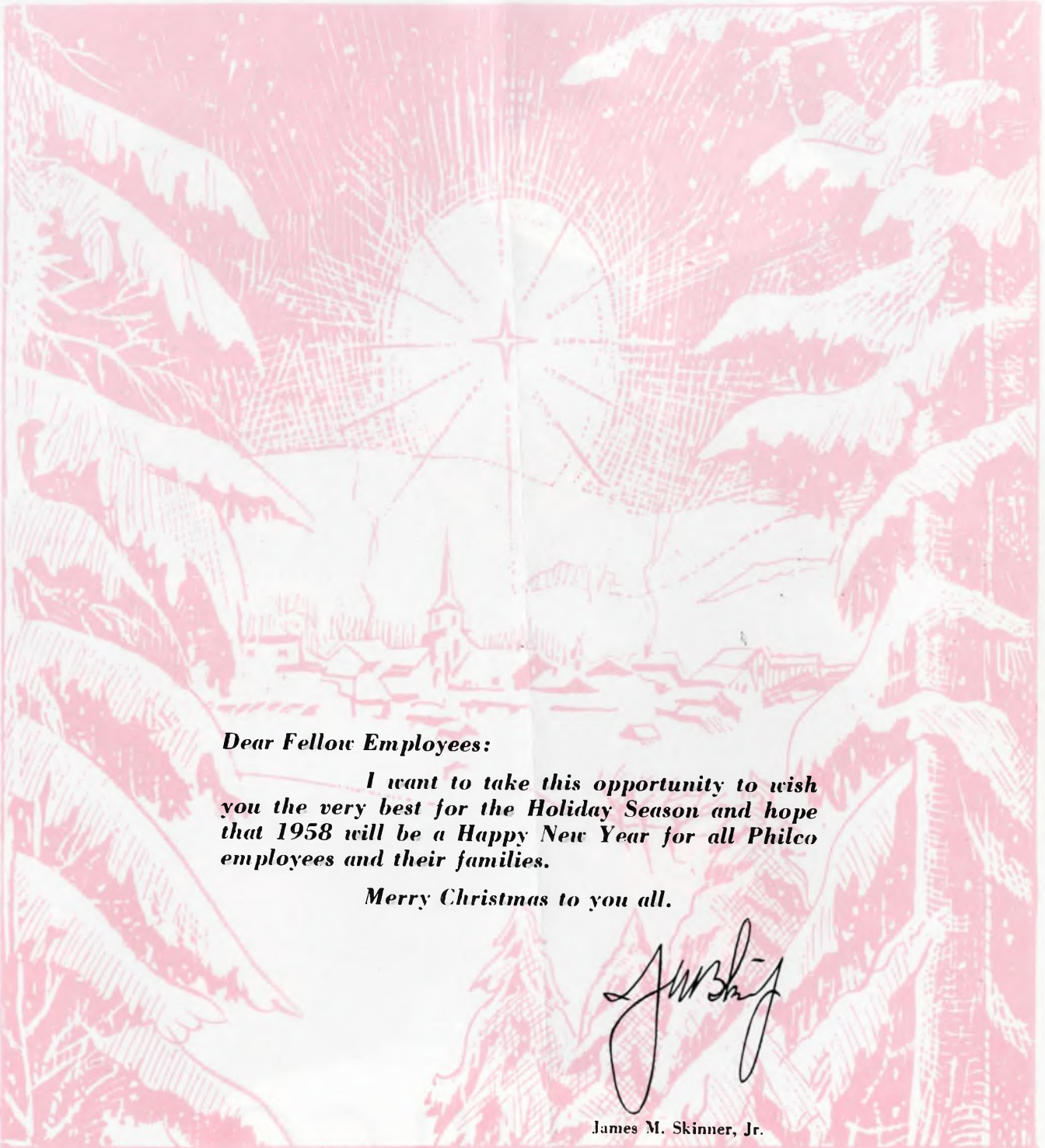




MERRY * * *
* CHRISTMAS * * *

PHILCO
News

DECEMBER, 1957



Dear Fellow Employees:

***I want to take this opportunity to wish
you the very best for the Holiday Season and hope
that 1958 will be a Happy New Year for all Philco
employees and their families.***

Merry Christmas to you all.



James M. Skinner, Jr.

"SLENDER SET" SERIES BOWS IN PHILCO'S SPRING LINE

New 21-inch television in sculptured cabinets with 110-degree picture tubes, and custom crafted 90-degree consoles and swivel ensembles, were announced by Philco to its distributors this month. In a series of regional meetings Philco introduced its interim Spring line.

The "tapered" and "jeweled" look in television cabinetry are expressed in a 7 model series of three basic 110-degree sets—a console and two table models—in a new "Slender Set" line.

"Slender Sets" have new compact 21-inch chassis and top-level tuning with edge-lighted control panels in the top of the cabinets. Cabinets with tapered sides

and finished backs are accentuated by new out-front sound presentations incorporating Philco's "long 10 inch" speaker.

NEW "WRAP-AROUND SOUND" CONSOLES

Heralding the widespread success of its current "Hyper-Power" television line, three new 21-inch consoles with Philco's exclusive "wrap-around sound" were announced and the new "Miss America" will be on a swivel base. Companion sets are available in light finishes of grained birch and white oak.

(Continued on page 5, column 1)



Newest presentation of console television styling for the 110-degree picture tube, is expressed in this 21-inch receiver by Philco. In genuine walnut solids, as above, white oak or rich mahogany, the new "Slender Set" consoles have edge-lighted control panels in the top of the cabinet for convenient hand-level tuning. An acoustically balanced sounding board, inclined at the front of the set, directs sound at ear-level to the viewer who will enjoy superb picture performance by Philco's new compact 21-inch chassis with built-in VHF-UHF aerial.

A "space-saver" 21-inch television table model, which will occupy a table surface of 22 x 11" is featured by this set in Philco's new "Slender Set" series. Tapered cabinet styling in mahogany wood or white oak bring a new look to the 110-degree picture tube, accentuated here by a silver-colored picture mask. All 110-degree table models, and consoles, in this series have new compact chassis with built-in VHF-UHF aerials and top-level tuning from control panels in the top of the cabinet. Model No. 4221, below, is in grained mahogany wood.



TWO NEW HI-FI PHONOGRAPHS ANNOUNCED BY PHILCO

Philco this month announced two new console high fidelity phonographs, available either with or without AM-FM radio tuners, in traditional and modern cabinetry.

Both models have balanced-engineered sound systems incorporating the electrostatic speaker for high frequency range response up to and over 20,000 cycles. The electrostatic speaker, in combination with a big 10-inch woofer for the low frequencies, provides balanced reproduction over a wide range in Philco's "packaged" high-fidelity phonographs.

In classic French Provincial styling Philco offers one model in rich mahogany veneers, and a companion in a solid cherry cabinet. For modern decor the second model is featured in medium walnut solids, and in light oak solids and veneers.

Professional type built-in AM-FM tuners, with automatic frequency control to lock-in the station and eliminate signal drift, are available in all models at additional cost.

All models are equipped with an input jack for tape, and a special "function switch" to eliminate any motor noise from the speaker system when it is used for remote AM-FM radio or stereophonic tape hook-up.

Trouble-free record playing for all record speeds is done automatically by the Philco "Micro-Mix" changer. A new transformer powered amplifier, with 20 watts output, provides full volume without distortion. Dual-needle ceramic pick-ups, unaffected by temperature and humidity, assure high quality reproduction for the new phonographs.

Whether with or without the AM-FM tuner each cabinet is designed with ample record storage.



Certificates of honor for safety records at Philco are received by J. M. Transue, Philco Security Director, from James P. O'Donnell, supervisor of the factory inspection bureau of the Pennsylvania Department of Labor and Industry, and the local inspector for the bureau, Carmine Massington (left). The management and employees of the G. and I. Division at Plant 50 and the Accessories Division at Plant 4 received certificates in recognition of a perfect safety record for 1956. The Engineering and Offices; the TV-Radio Division; the Metal Division, and Plant 18 received certificates "in recognition of a safety record better than State average" for the year. Mr. Massington is a former employee of Philco.

The Christmas Tree

How was the first Christmas tree decorated?

According to legend, when Christ was born a group of stars looked down upon an olive tree, a date palm and a pine tree which stood over the manger. Seeing that the pine had nothing to offer in His honor while the others gave fruit and dates, they descended from the heavens to rest upon the pine's boughs as an offering—and that was the first Christmas tree.

Fifty Allied Military Communication and Electronics Officers from 16 foreign nations were recent guests of Philco.

Part of the group is shown during their visit to Philco's Government and Industrial Division, Plant 50.

Aiming a closed circuit television camera on five of the visiting officers is Marshall A. Williams, General Sales Manager for the division. Left to right are Lieutenant C. E. Thomas, U. S. Army Signal Corps, Fort Monmouth, N. J.; Major Dr. Graetz, Hanover, Germany; Captain Jacques Hermand, Brussels, Belgium; Captain

Noboru Matsuura, Yokosuka, Japan and Major Shmuel Gazit, Tel Aviv, Israel.

Other nations represented in the group were France, Portugal, Norway, Netherlands, Denmark, Greece, Italy, Pakistan, Burma, Vietnam, Iran and Korea.

The Allied officers also visited Plants 2 and 10 where they were conducted through the Company's consumer television assembly plant.

In the afternoon, the group visited the TechRep Division plant, 22nd and Lehigh, and were briefed on the division's world-wide field

(Continued on page 5)



"SLENDER SET" SERIES IN PHILCO'S SPRING LINE

(Continued from page 3, column 2)

With "wrap-around sound" the addition of these new consoles to the line makes television's most advanced 3-speaker sound system available on more models at attractive prices, Henry Bowes, Philco's Vice President and General Manager of television, stated.

All consoles have mobility in the form of casters or swivel action, plus top front tuning, aluminized picture tubes, and built-in VHF-UHF antennas. Custom deluxe sets have dyna-glow channel markers, three-position electronic range switch for maximum signal strength, super sensing tuner, and higher voltage chassis.

NEW SWIVELET ENSEMBLES AND PORTABLE TV

A 21-inch swivelet ensemble with out-front sound in grained mahogany cabinet was also announced. A similar model will be available in a blond cabinet.

Philco added a 17-inch portable with Italian leather cabinet to its "Slender Seventeen" line of 110-degree portables.

"SLENDER SET" FEATURES

"Slender Set" chassis are compact and more powerful with many features including automatic picture focus, and the Philco-developed "germanitron" which achieves higher efficiency and longer life over previous rectifiers, yet requires one-fifth the amount of space.

According to Mr. Bowes, the new cabinets have been designed to take every advantage of the 110-degree tube. "They are not television cabinets with the backs sliced off to give them the 'thin look,' but are completely re-designed from the bottom-up, to complement a compact chassis and short tube."

In addition to the "Slender Sets" and new consoles, Philco will continue seven basic 21- and 24-inch models in the 1958 line which made its introduction last summer.

(Continued from page 4)

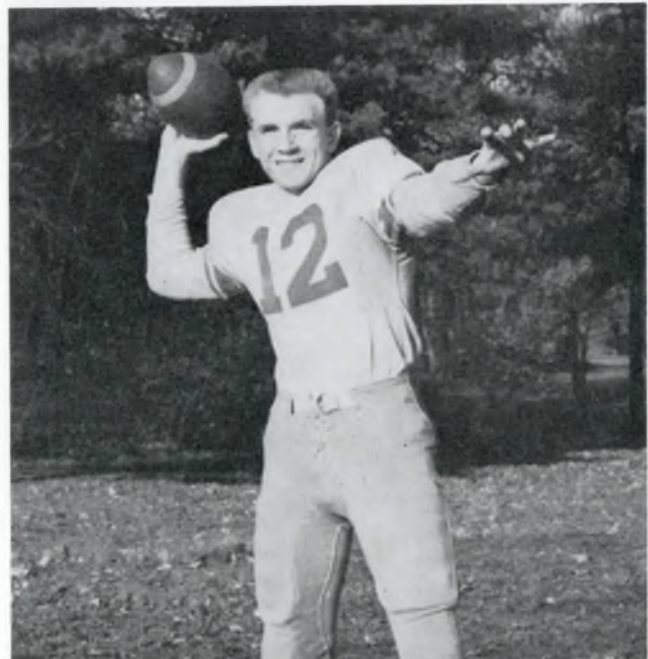
engineering activities and its publication department.

These 50 military officers are currently attending the U. S. Army Signal School, Fort Monmouth, N. J. They are all outstanding electronics or communication specialists and were hand-picked to attend the Signal School.

The theme of this year's Christmas exhibit in the Lobby of The Free Library is "Great Christmas Stories," which will be shown through December 31. Against a background of stars and angels will be displayed the Bible story and four favorite secular tales. The exhibit will be the gay, colorful mingling of the religious and the secular, which is so characteristic of Christmas.



Pretty Kathleen Hughes, Hollywood starlet, is also smart Kathleen Hughes, regular investor in United States Savings Bonds. She found the Payroll Purchase application card easy to understand. So will you. She found the return, as printed clearly on the new, small-sized punch-card Series E Bond, amounted to a fine, steady accumulation of interest, compounded at the new 3 1/4% rate over 8 years, 11 months. Take Kathleen Hughes' advice—sign up for Payroll Purchase through your Personnel Department.



Bruce James Campbell, varsity quarterback on the Central High School's victorious team this year, is the son of Harry Campbell, Superintendent of Depts. 543-544, and Mrs. Campbell. Young Campbell's team won eight games, tied one, and lost none,—the first time in twenty years the school has gone through an entire season undefeated. He is a senior and graduates in June. Right now young Campbell is looking the various colleges and universities over to decide which he will attend.



▲Champs in United Fund collecting get together . . . Russ Deakin, Material Control; Virginia Majeska, Mechanical Engineering; Al Green, Quality Control, and Ed McGarvey, Test Maintenance Engineering.



▲TechRep Division's United Fund campaign gets under way with Chairman Herb Johnson wielding the hammer, Bob Schweizer steadying the ladder, and solicitors Mary Kenny, Mary Fell, and Pat Maher admiring the UF banner. As always, the TechRep team made the honor roll for collections.



PHILCO WINS COVETED U BANNER IN SUCCESSFUL UNITED FUND DRIVE

A combined Corporate-employee subscription of \$220,872 to the United Fund brought Philco membership in the United Fund's \$200,000 Club. The coveted "U" banner for this achievement was received by James M. Skinner, Jr., Philco president, at a report luncheon at the Ben Franklin Hotel November 20.

The Corporation gave \$115,000 and the employees attained 101.4 per cent of their assigned quota by contributing \$105,872, according to J. Newton Hunsberger, Jr., who headed the fund drive at Philco. In announcing the results of the successful campaign, Mr. Hunsberger praised "the cooperation of Locals 101 and 102, International Union of Electrical Workers" for their part in the drive.

J. Frank Cox, General Chairman of the drive, declared that the Philco contribution "is an outstanding example of large-scale giving for the benefit of this community's health and welfare services. Philco was the fifth firm of the city to become a member of the "\$200,000 Club."



The G. and I. Division United Fund honor roll consisted of (rear row, from the left) Captain Lou Bond, Russell Ezray, Mary Boerner, Pat Dixon, Pat Walsh; front row, same order, Cass Ryan, Marbelle Anderson, Dottie Kelly, Cathy Lyons, Agnes Bennett. Belonging on the honor roll, but not present when the photograph was taken are Joe Hoelle, Joe Harding, Helen Sheehy, Joe Rothwein and Dave Hannum.

▲ The 116% mark in quota and the 100 per cent mark in participation was hit by Industrial Engineering under the leadership of Shirley O'Hanlon.



Engineering Department's honor roll United Fund team consisted of (from the left) Gertrude Latzko, Victoria Dubin, Anna May Sipple, Cathy McDonald, George Perks, Dolores Sosnowska, Vern Armstrong, Virginia Largent, Pat Flynn and Elizabeth Barry.



Praise for the work done by solicitors in Dept. 43-503 is given by Charles Kilroy (center), Supervisor, to Mary Schwinger and fellow members of the committee from Printed Wiring Panel Preparation Section in Plant 3.



▲ Congratulations upon making the honor roll of the United Fund Campaign are extended (center) by Joe Wilkinson to Larry Halloran, Plant Protection, and Tom Shay, Plant Cleaning.

▼ Their places on the Philco honor roll for the United Fund are discussed by Ben Shulman, Production Expediting, and Russel Fluehr, Tabulating.



Standing, from the left are Jean Leonard and Kathy Gallagher; ▲ seated, in the same order, Jack Nolten, Fred Clara and William Rigney—the Appliance Engineering winning team.

One Hundred and Thirty-one per cent of the quota assigned the Patent Department was collected under the captaincy of Russ Buckley. ▼





▲ The team that won honors for the Research Department in the United Fund Drive consists of Rita O'Brien, Tom Leach, Dorothy Dutil and Joan Donnelly.



Publications' honor roll team is headed by Mary Fell and Pat Maher in the Plant Drive.



▲ Frank Humphries (left), Philco Safety Superintendent, is congratulated upon his successful United Fund campaign among members of the Maintenance Department by Fenton Glaizer, Chief Power House Engineer.

Successful United Fund solicitations were conducted by both Rita McDermott, Traffic, and Len Kent, First Floor Office, Plant 2.

▶ Bert Atkinson made the Philco honor roll for her solicitation for the United Fund among office workers on the Sixth Floor of Plant 2.



AIR FORCE MISSILE "ACE" VISITS PHILCO MISSILE PLANT HERE

An Air Force pilot who has demonstrated the deadly accuracy of the infrared guided Sidewinder missile, recently visited Philco where the missiles are manufactured.

Major John M. Simmons, the pilot, was one of 36 Air Force and Navy officers and civilian personnel who attended a two-day Sidewinder conference at Philco's Government and Industrial Division plant.

During a recent fire-power exhibition at Eglin AFB, Florida, the Major demonstrated the accuracy of the heat-seeking missile by shooting down an "enemy jet" in just one pass at the target. The "enemy jet" was a five-inch rocket.

Piloting an F-100 supersonic fighter, Major Simmons fired the rocket and waited until it was hurtling far in advance of his speeding jet before releasing the Sidewinder. Instantly sensing the heat of the target, the infrared guided missile streaked after the rocket and shot into its tailpipe. A firey explosion destroyed both.

Major Simmons is attached to the Air Proving Ground Command at Eglin AFB, which has been testing the Sidewinder missile for over a year.

A spokesman for Philco's G and I Division revealed that the Company has been engaged in research, development and production of the Sidewinder for the Navy since 1952.

The Air Force, recognizing the capabilities of the Sidewinder, has also recently become a prime user of the missile.

This infrared guided missile was conceived at the Naval Ordnance Test Station (NOTS), China Lake, California, and developed by Philco and NOTS.

Sidewinders built by Philco, have been in operational use for over a year with the Navy's Sixth Fleet in the Mediterranean and the Seventh Fleet in the Western Pacific.

"Sidewinder missiles are so fast, I would say there is no airplane that could survive it." This authoritative statement came from Lt. Cmdr. Paul E. Payne, commander of a night-fighter squadron aboard a carrier with the Seventh Fleet. The Commander and his pilots also have tested the accuracy of the heat-seeking missiles by using them to shoot down rockets.

According to Vice Admiral Wallace Beakley, Seventh Fleet Commander, this air-to-air missile would shoot down "three times" as many enemy airplanes as conventional weapons.

Lightweight, yet extremely accurate, Sidewinder is fully maneuverable at supersonic speeds at all altitudes.

Sidewinder missiles can be carried in quantity by jet fighters and can be fired singly or in salvos. It requires no special training and no complex launching equipment is necessary.



MISSILE DESIGNER AND USER—Major John M. Simmons, Air Force pilot who has demonstrated the deadly accuracy of the infrared guided Sidewinder missile, is shown during his visit to the Philco Plant in Philadelphia where the missile is manufactured. Discussing the electronic workings of the heat-seeking missile with the Major is Nels Johnson, Chief Engineer, Sidewinder project at Philco's G & I Division Plant. This air-to-air missile was conceived at the Naval Ordnance Test Station (NOTS), China Lake, California, and developed by Philco and NOTS.

The heat-seeking Sidewinder is truly a guided missile since it can change its course to account for evasive maneuvers of an enemy aircraft. It has acquired the reputation of being the most accurate of the Navy's air-to-air guided missiles.

Relatively inexpensive, the Navy Sidewinder has no more electronic parts than an ordinary radio.

The Sidewinder was named for the "pit-viper" variety of rattlesnake which inhabits the Mojave Desert area where the Sidewinder was conceived by NOTS. This snake seeks out its prey by means of infrared-sensing organs located in a "pit" or depression on each side of its head.

These infrared-sensing organs enable the snake to locate and strike its target with deadly accuracy.

This is essentially the same detection system used by the Sidewinder missile in seeking out its target through perception of invisible infrared radiation which is emitted by all objects.

Happy Holidays Ahead . . .

Planning and Preparing Insures Them

Christmas, New Year's Day—the whole exciting week between—is the time to deck your home with holly and hold open house for relatives, neighbors and friends.

Give yourself a real holiday, too! Prepare desserts, cookies, and other goodies ahead of time; store in your Philco freezer until needed. Here are a few recipes to get you started. Add your own family favorites.

RECIPES

DARK FRUIT CAKE

2 cups butter	2 lbs. seeded raisins
1 cup brown sugar	1 lb. seedless raisins
1 cup molasses	1 lb. currants
1 cup fruit juice	½ lb. citron
4 cups flour	½ lb. candied cherries
1 teaspoon soda	½ lb. candied pineapple
1 tablespoon cinnamon	½ lb. lemon peel
1 tablespoon allspice	(candied)
1 teaspoon cloves	½ lb. orange peel
2 teaspoons nutmeg	(candied)
2 tablespoons vanilla	2½ cups blanched
1 teaspoon salt	almonds
½ lb. dates	2 cups pecans
10 eggs, beaten	½ lb. figs
4 oz. chocolate	

Mix fruits and sift 1 cup flour over them. Mix well. Cream butter and slowly beat in sugar. Add fruit and eggs. Mix well. Add molasses, melted chocolate, and fruit juice. Mix and sift remaining flour, soda and spices. Add to batter with nuts and vanilla and beat until smooth and perfectly blended. Yields 12 lbs. Bake in 4 loaf pans (2¾" x 9" x 4½") lined with waxed paper and greased, at 250°-275° F. for 2½ to 3 hours. Cool thoroughly. Wrap in aluminum foil and freeze.

CHERRY MACAROONS

½ cup sweetened condensed milk	½ cup cut-up candied cherries
2 cups shredded cocoanut	1 teaspoon almond extract

Combine all ingredients on LOW speed of electric mixer. Mix thoroughly. Drop by teaspoonfuls onto greased cookie sheet. Bake in 325° electric range oven 10 minutes. Cool slightly, then remove from pan. Makes 2½ dozen.

CHRISTMAS TARTS

¾ cup brown sugar	1½ teaspoons baking powder
½ cup butter	¾ teaspoon salt
1 teaspoon vanilla	1 egg white
1 egg	pistachio nuts
1½ cups flour	candied cherries

Cream butter and sugar. Add egg and mix; add salt and baking powder to flour. Add dry ingredients and vanilla. Roll out on floured board and cut with a doughnut cutter. Brush with unbeaten egg white. Decorate top with finely chopped nuts and bits of candied cherries. Bake at 400° for 10 to 12 minutes, or until a delicate brown. Cool. Package and freeze.

PEANUT BUTTER COOKIES

1 package Swansdown White Cake Mix	3 tablespoons shortening
1 cup peanut butter	¼ cup milk

Into a bowl place the white cake mix. Add milk, shortening and peanut butter. Mix all ingredients together and beat 1 minute. Shape into rolls 1½ inches in diameter. Place in refrigerator and chill or wrap in aluminum foil and freeze. When ready to bake, slice thin and bake at 350° for 8 minutes.

CHEESE WAFERS

¼ cup butter	½ teaspoon salt
1½ cups grated cheddar cheese	½ teaspoon paprika
½ cup flour	½ teaspoon pepper
½ teaspoon dry mustard	½ tablespoon Worcestershire sauce

Cream butter and cheese together. Add remaining ingredients. Make into small rolls. Freeze, or chill at least 12 hours. Slice very thin. Bake 7 to 8 minutes on greased and floured pan, at 350° F.

SPICED NUTS

1 cup sugar	½ teaspoon cloves
1 teaspoon salt	½ cup water
½ teaspoon nutmeg	Nut meats
½ teaspoon cinnamon	

Combine all ingredients except nut meats to make a syrup. Boil until temperature of 238° F. is reached. (Test with candy thermometer). Add nuts, stir. Turn out on waxed paper and separate.

STEAMED FRUIT PUDDING

2 eggs	1 cup flour
1 cup brown sugar	1 teaspoon soda
1 cup ground suet	1 teaspoon cloves
2 cups soft white bread crumbs	½ teaspoon salt
1 cup milk	2 teaspoons cinnamon
1 teaspoon vanilla	2 cups raisins
¼ cup orange juice or wine	1 cup chopped dates
	½ cup assorted fruit peel
	½ cup chopped nuts

Beat the eggs. Add the sugar, suet, bread crumbs, milk and vanilla. Mix well, then gradually add balance of ingredients. Pour into 3 well greased No. 2 tin cans, cover with waxed paper. Place in kettle, in a small amount of water. Cover kettle. Turn heat to High. When steaming freely, turn to Low or Simmer and allow to steam for 1½ hours. Serve with Butter Sauce.

Note: To freeze, cool, then overwrap cans with aluminum foil. To serve, reheat by steaming in covered kettle.



Lorna Romaska, Personnel Department in the TechRep Division, demonstrates form that won her runner-up position in recent "Miss Majorette of Phila." contest.



A switch in birthday greeting is given Helen Mackiewicz (with cake) when members of the Test Section of Dept. 43-503 greet her with the official horn blowing which marks the birthday of another member of the Department. It is usually Helen who is the horn blower. Her place for this occasion is taken by Margaret Dickson.



▲ Elaine Rush (seated) is guest of honor at a surprise wedding shower given by members of the Accounting Department of the G. and I. Division.



A wedding gift is presented to Phil Diehl by William Cunningham (with coat) at a shower given by members of the Industrial Engineering Department in Plant 2. ▼

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Frankie C. Dielsi, the two and a half year old grandson of Antonio Calcagno, of Dept. 43-503, provides his own musical accompaniment for his song.



Ermanno De Annuntis, a cabinet maker in Dept. 43-503, is the proud grandfather of the above 4-months old boy, Dante De Annuntis, Jr.

Christmas Customs

In Ireland, only women named Mary may snuff the candles in church on Christmas Eve. Gifts are exchanged in Holland on December 6, not Christmas Day. Some Scandinavian families place all their shoes together on Christmas Day, in the belief that this will cause harmonious living through the year. In Nova Scotia, it is considered bad luck to take a Christmas tree down before the end of New Year's Day. In the sixteenth century gifts consisting of something pleasant, useful, and something for discipline were tied together in bundles.

Singing the Carols

The custom of singing Christmas carols dates back to ancient times when waifs and minstrels sang them in the streets.

The first true Christmas carols, which spread to many European countries, originated in Italy during the thirteenth century. These carols, with their folksong-like quality and childlike simplicity, gave way in popularity to more dignified and solemn Christmas hymns in the eighteenth century. With the nineteenth century came the writing of the beautiful "Silent Night, Holy Night."



John Hayden, Sr., a guard in Plant Protection, is the proud grandfather of Patricia (left) born July 4, and Michael (seated on his lap) aged 22 months. John Hayden, Jr., the father, formerly worked at Philco in the Test Maintenance Department.

