

# EARLY EDUCATIONAL AID APPLICATIONS URGED



Photo Courtesy Knoxville Journal

**Y-12ER AUSTIN READ, Safety,** seated, and Thomas E. Johnson, both studying industrial engineering at University of Tennessee night classes, test a loom they built for weaving nylon and elastic belts. The project was part of their course at U-T.

## Y-12er Helps Build Belt Weaving Loom

**Austin Read, Of Safety, Does Work In U-T Class**

A Y-12 safety engineer attending classes in industrial engineering at the University of Tennessee at night teamed up with an Aluminum Company of America classmate in putting together a gadget for weaving a nylon and elastic belt for a Dandridge, Tenn., firm that is estimated will increase production by 40 per cent.

Austin M. Read, of the Safety Department; and Thomas E. Johnson, of Alcoa, used a lot of "do-it-yourself" items such as orange crates, rubber bands and dowels to

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## Social Security Taxes Increase January 1

**Changes In Dependents Should Be Reported**

Here are two items of news that are important to the pocketbooks of all Y-12ers.

The first is that the Social Security tax on all Y-12ers will increase from two to two and one-quarter per cent on the first \$4,200 of annual earnings effective January 1, 1957.

The second is that all Y-12ers who have had changes in the status of their dependents are urged to amend their exemption certificates (Form W-4) as soon

### SOCIAL SECURITY BOOK AVAILABLE FOR Y-12ERS

A handy little booklet, "What the New Social Security Law Means to You," will be available to all Y-12ers when they pick up their pay checks on Friday of this week, December 21. The booklets will be at all of the regular pay points. Many important questions are answered in the booklet and all Y-12ers are urged to pick up a copy and study it to determine just how they stand and what benefits they may expect at the age of 65.

as possible to obtain whatever gains might be forthcoming from income tax changes.

The two and one-quarter per cent of annual earnings paid by Y-12ers in Social Security taxes is matched by the Company. The increase in Social Security taxes is designed to finance new disability benefits and a spread of benefits to new occupations. Under the present Social Security law, the tax will go up to two and three-quarter per cent January 1, 1960, and thereafter will increase by one-half of one per cent every five years until 1975, when it is scheduled to be four and one-quarter per cent.

The correct status of dependents must be recorded by every Y-12er so that the proper deductions for income taxes may be made. All

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**THIS GROUP OF Y-12 LAUNDRY DEPARTMENT EMPLOYEES** gathered last week to bid farewell to Dora Johnson, seated, who retires December 28 after more than 12 years of work in the department. At right is C. A. McAlister, Laundry supervisor. Mrs. Johnson is holding her going-away gift, an electric blanket.

## Laundry Employee Retiring December 29

**Dora Johnson Employed In Plant May 30, 1944**

A kindly, motherly-looking woman employee who has worked for the Y-12 Plant Laundry Department since the muddied days of 1944 will retire on December 28. She is Dora Jane Johnson, a seamstress, who as an old-time Y-12er is not only well-known and well-liked in her own department but in others throughout the plant.

Mrs. Johnson, a widow, plans to make her home in LaFollette, where she owns her own home. Housework and keeping a little garden will keep her sufficiently busy, she believes, and her work here over the past more than dozen years has provided her with sufficient means to live comfortably.

### 14th To Retire This Year

Mrs. Johnson is the 14th Y-12er to retire during 1956 and the 26th since Carbide took over operations here back in 1947. Only one other woman employee has been retired during that period.

Born in Blairsville, Union County, Ga., December 16, 1893, she moved to Tennessee with her family at the age of seven. They lived first at Ducktown and after she was married she moved to Benham, Ky. Since the death of her husband she has made her home in LaFollette. She and her husband, the late George Washington Johnson, had two sons. One, Ray, a filling station operator, lives in LaFollette. The other, George, is a railroad man in Cincinnati, Ohio.

### Had Only One Supervisor

Mrs. Johnson came to work in Y-12 on May 30, 1944, and began her long and pleasant association with her only boss during her stay here, C. A. McAlister, the Laundry supervisor.

In a farewell gathering last week at the Laundry, Mrs. Johnson's fellow employees presented her with an electric blanket, the presentation being made by McAlister. He praised the departing employee for her faithful work over the long period of years and in reply Mrs. Johnson thanked everyone there for being "mighty

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**DORA JOHNSON, RETIRING** from work after more than 12 years with the Y-12 Laundry Department, receives her going-away gift from C. A. McAlister, Laundry supervisor. The gift was an electric blanket.

## Long Week Ends Set In Revised Schedule Of Y-12 Holidays

A four-day holiday for Christmas and three days for New Year's is provided in a work schedule for Y-12ers over the holiday season. A revision has been made to provide these long week ends as well as a 40-hour work week throughout the plant.

Both Christmas Day, Tuesday, December 25; and New Year's Day, Tuesday, January 1, 1957, will be observed as holidays. So will Christmas and New Year's Eves, Monday, December 24; and Monday, December 31. To make up for these long week ends, Y-12ers will be scheduled to work on Saturday, December 29, and on Saturday, January 5, to provide for the normal 40 hours of work per week.

During the long week-end holidays, no Y-12ers will be required to work except those whose presence at work is necessary to assure the continuous operation and protection of the plant.

Our atomic know-how keeps the enemy at bay. Protect that information.

## Registrations Open Early In January

**Y-12ers Must Apply Before January 25**

With a record number of applicants expected to apply for benefits offered eligible Y-12ers under the Union Carbide Nuclear Company Educational Assistance Plan for qualified courses opening in the winter term, all employees expecting to ask for such aid are urged to take action early by the Training Department, Bldg. 9704-2, as soon as possible.

As registration in courses of study approved for assistance under the program closes about the middle of January, a deadline of January 25 has been set for Y-12ers to apply for benefits for the winter term classes.

### Time Required For Approval

Ralph Pearson is coordinating the program work in Y-12 and will be assisted by other members of the Training Department. Pearson points out that some time is required for the required approval of applications for educational aid by departmental and divisional superintendents of the applicants as well as the Y-12 Plant Superintendent. For this reason, the early filing of applications and submission of any questions on the program and its provisions is requested.

To be eligible for aid under the Educational Assistance Program a Y-12er must be a salaried employee with at least six months of Company Service Credit. The program does not apply to anyone receiving governmental aid for educational purposes, such as the GI Bill.

### Course Should Apply To Job

The courses of study qualified for assistance under the program are described as those that will help an employee in his present job or help prepare him for a different position with the Company. The course need not lead to a college degree, but should relate directly to the fields of work carried on by the applicant in the Y-12 Plant.

The program provides payment of 50 per cent of the cost of tuition, laboratory fees, books and supplies—not to exceed \$50 per quarter or \$150 for a 12-month period. The permitted expenses are paid to employees taking approved courses on presentation of evidence of successful completion of the courses.

### Training Has List Of Courses

The Training Department already has listings of courses offered by the University of Tennessee Division of University Extension in Oak Ridge and also by the Oak Ridge Adult Education Program. They are available for inspection at any time between 8 a.m. and 4:30 p.m.

Registration for the University

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It again is my pleasure to send each of you my best wishes for a Merry Christmas and Happy New Year as another Holiday season rolls around. During this year that is almost gone, the Y-12 Plant has enjoyed another period of real accomplishment. Your efforts and cooperation have enabled us to successfully carry out our important part in



J. P. Murray

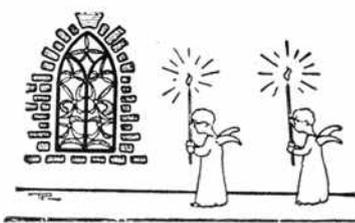
our Company's atomic energy work. We all can be justly proud of these accomplishments and I want to express my appreciation to each of you for making them possible. With continued joint efforts I feel confident that the Y-12 Plant can gain even greater successes in the future.

Again, I extend my best wishes to you and your families for a Merry Christmas and a safe and Happy New Year.

JOHN P. MURRAY  
Y-12 Plant Superintendent

## SAFETY SCOREBOARD

The Y-12 Plant Has Operated 48 Days Or 1,481,415 Man-Hours (Unofficial Estimate) Without A Disabling Injury Through December 16



# SAVE THIS PAGE—IT MIGHT SAVE YOUR OWN LIFE

## Evacuation Map Shows Roads From Y-12 Plant

### Following Designated Routes Is Imperative

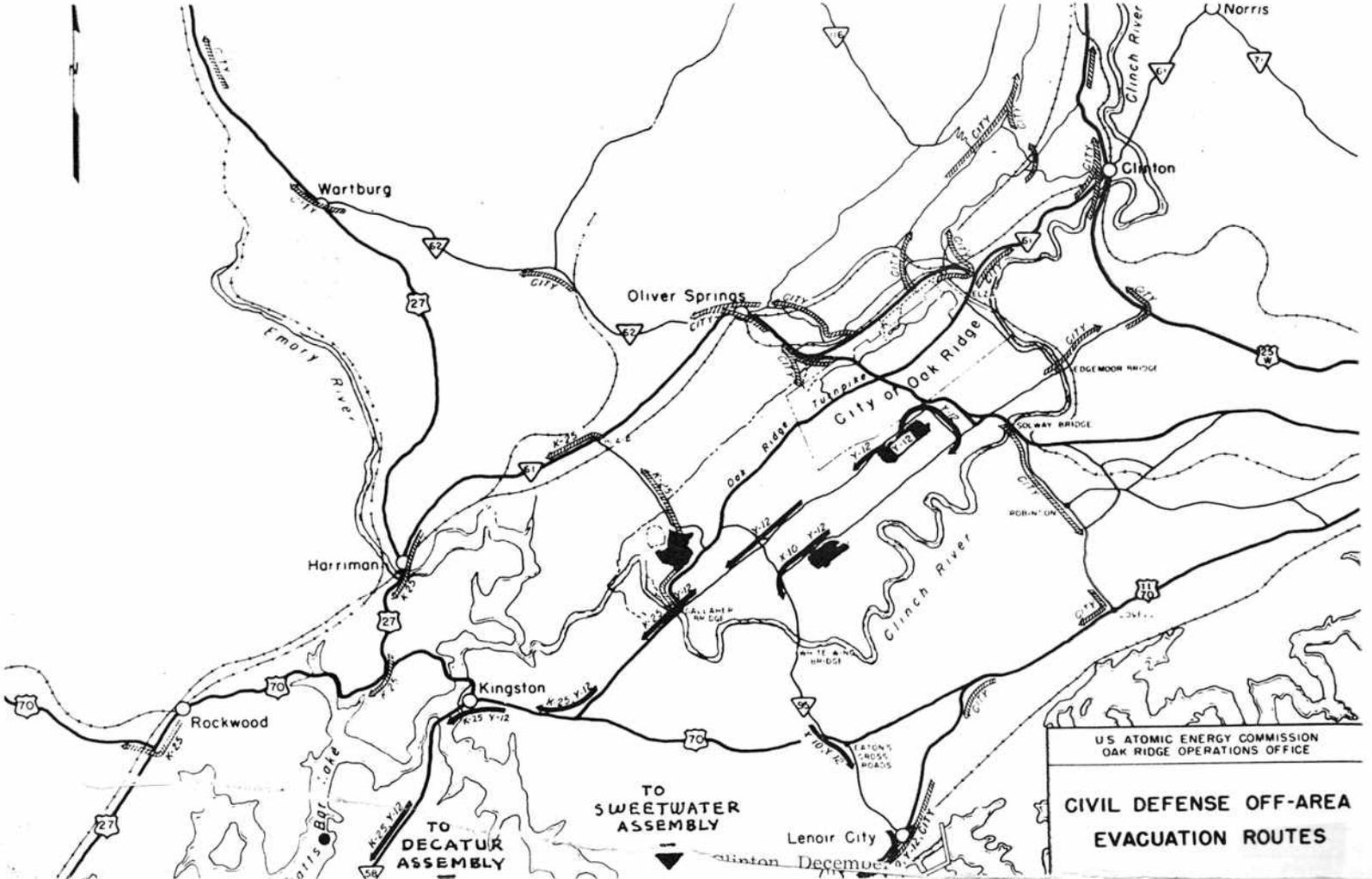
Save this page—it might save your life.

This map and accompanying story show in detail routes to be taken for evacuation of the Y-12 Plant and other Union Carbide Nuclear Company installations in Oak Ridge in case of an air attack.

Every Y-12er should keep this page and—if possible—memorize the instructions and map markings. The page should be kept with an Oak Ridge Civil Defense map showing the street by street evacuation plan in case of air attack. These maps may be obtained without cost from Civil Defense headquarters, according to Col. W. H. Britton, Oak Ridge Civil Defense Director.

All that is required is a telephone call to Oak Ridge 5-3521, Ext. 32, to make the request. The map will be mailed to the home of the applicant.

The Civil Defense off-area evacuation map has been prepared by the Atomic Energy Commission to show the evacuation routes that will clear the plant areas and the city in the shortest possible time. The routes lead employees and residents to areas more than 20 miles away following an attack warning.



### Prevailing Winds Considered

The routes were established following a close study of possible fall-out patterns in case of an atomic or hydrogen bomb attack. The course of prevailing winds in the East Tennessee area were considered as a major factor in planning the evacuation routes.

Here in Y-12 evacuation traffic would move in two directions on Bear Creek Road. Cars parked in the East and North Portal parking lots will evacuate east on Bear Creek Road to Scarboro Road, thence to Bethel Valley Road, White Wing Gate and State Highway No. 95 to Lenoir City and via U.S. Highway No. 11 to Sweetwater, which is designated as one assembly point for Y-12 traffic.

Motorists in the Central, West and Bear Creek parking lots will proceed west on Bear Creek Road to Gallahar Gate. The evacuation route then continues to U.S. Highway No. 70 to Kingston, then by State Highway No. 58 to Decatur, the assembly point for traffic moving in that direction.

Y-12ers traveling via Scarboro and Bethel Valley Roads will be joined by traffic from Oak Ridge National Laboratory on the way to Lenoir City. K-25 traffic will merge with Y-12ers on the Gallahar Gate route.

### Reception Centers Planned

Success of the evacuation plan depends entirely on the coolness of every individual and self-discipline. It is important not to deviate from the routes given on the map. Reception centers will be established at each assembly point so that information can be given to assist in reuniting families after the danger is over.

It is particularly important for Y-12ers not to attempt to immediately reach members of their families in case of an air attack alarm. Oak Ridge and Knoxville both have their own evacuation plans and routes arranged and for Y-12ers to try and drive to their homes instead of the prescribed evacuation routes for the plant would only result in utter traffic

## Y-12 Credit Union To Hold Annual Meeting January 10 At Ridge Hall To Name Officers

### Large Attendance Of Share Holders Is Urged; Fortenberry Chairman Of Nominating Committee

The annual meeting of the Y-12 Employees Credit Union to elect officers for next year and declare a dividend for this year will be held Thursday night, January 10, 1957, in the Green Room of the Ridge Recreation Hall, it has been

announced by J. P. Blakely, an Oak Ridge National Laboratory employee in Y-12 and president of the organization; and Mrs. Lorena Causey, treasurer. It is the only open membership of the year and every share holder in the Credit Union is eligible to attend and urged to be present to take part in the important business meeting.

Chairman Fortenberry, of the Y-12 Development Operations Department and former president of the Credit Union, has been named by President Blakely as chairman of a nominating committee to propose candidates for various offices to be filled. Other members of the committee are A. M. Schrader, Process Maintenance, and also a former president; Fred Henry, Buildings and Grounds; Jack Fisher, Security; J. H. Qualls, Colex Operations; and W. O. Prater, ORNL, employee in the Y-12 Plant Area.

### Coolness Is Important

Evacuation of all Y-12ers will be done by private cars as far as possible. Car pool members should arrange to meet at regularly prescribed points, but if some passengers should be left behind, they should seek rides as soon as possible from other cars that are not loaded. Plant vehicles will remain at various gates to supplement the private cars, if such transportation is needed.

Again, it is stressed that coolness and common sense are prime requisites for the success of the evacuation plan. Panic on the part of even one person could cause failure through traffic jams and other situations that could defeat the entire plan.

Let's hope the alarm never comes — but if it does — let's be ready.

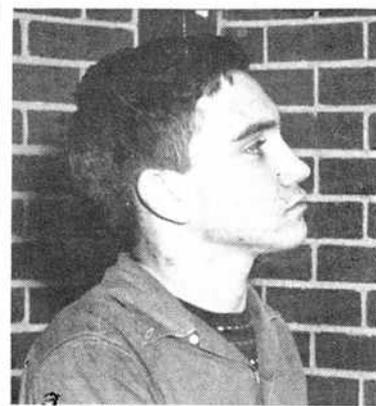
### Confusion, possible blocking of other evacuation routes — and probable useless cost of many lives.

The evacuation signal in Y-12 will be a series of one-half second blasts on the emergency horn, one-half second apart, to continue for three minutes. Announcements also will be made over public address systems. Tests have shown that such signals and announcements will reach throughout the plant.

Two members of the seven-member board of directors are to be elected at the January 10 session. The terms of President Blakely and W. O. Elam, chief of the Y-12 Fire Department, expire this year. The board elects the president of the Credit Union from its own membership.

Two regular and three alternate

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Wendell Countiss

## Son Of Y-12 Man Wins Award By Academy

### Wendell Countiss First In Murfreesboro Event

The same apparatus that won first place in the Oak Ridge High School science fair last April for Wendell Countiss, 18, son of W. C. Countiss, Project Engineering, took first place in the boys' division of the 66th annual meeting of the Junior Tennessee Academy of Science recently in Murfreesboro, Tenn. The apparatus demonstrates the techniques of separating ions by the electrophoresis process.

### Other Y-12 Youngsters Participate

Sandra Whitten, 15, daughter of James A. Whitten, D Mechanical Operations; also a first place winner in the high school fair last spring, had an entry in the Murfreesboro meeting on Vegetables in Medicine. Adrian Lawler, son of Russell G. Lawler, Colex Operations, who came in third in the Oak Ridge fair, displayed his collection of useful and harmful insects at the Murfreesboro event.

Among other Oak Ridge High School pupils participating in the Murfreesboro meeting was John Emler, son of Logan B. Emler, Union Carbide Nuclear Company manager of production and former Y-12 Plant Superintendent. Young Emler's project was on the skeleton effects on the embryo of a mouse.

### Looking Forward To Fair

Young Countiss is a senior physics student at Oak Ridge High School and with Adrian Lawler and Miss Whitten already are planning entries for the 1957 science fair at the high school. Countiss took first place in the physical sciences division of the 1956 fair and Miss Whitten was first in General Sciences. Lawler was third in biology.

## ORNL Man Will Address Last Physics Seminar Meet

D. O. Thompson, of the Oak Ridge National Laboratory Solid State Division, will speak at the weekly meeting of the Oak Ridge Physics Laboratory on Friday afternoon of this week, December 21. The meeting will be at 3:15 p.m. in the auditorium of Bldg. 4500, ORNL, and all technical and scientific personnel are invited.

The subject of Thompson's talk will be "Neutron Irradiation Effects On the Young's Modulus and Internal Friction of Proper Single Crystals." This will be the last meeting of the year of the Physics Seminar.

## 10 Years Service

Congratulations to the following Y-12 employees who will complete 10 years of Company Service within the next few days:

William C. Asbury, Colex Operations, December 22.

Ada B. Gaines, Janitors, December 23.



ATTENDING THE Y-12 DANCE PARTY proved profitable for four lucky guests who received door prizes of Christmas victuals during the festivities. Hospitality was displayed for a visitor, Mrs. Palmer Oglesby, of K-25, as she was presented the first prize of a 22-pound tom turkey with Y-12 Industrial Relations Superintendent George W. Flack doing the honors in the picture at left. Y-12 evened up the score in the next

picture in which Bruce Whitaker, SS Control Department, smilingly contemplates the 14½-pound ham he won. From left are Whitaker, Flack, Wanda Livesay, Maintenance Division; and George Evans, Colex Operations, who drew the lucky numbers from the box in his hand. Another fortunate visitor was Mrs. Mabel Smith, shown with her husband, K-25 employees, at left in the third picture, who receives a fruit basket

with a five-pound fruit cake from Flack. A Y-12er gave our side an even break in the picture at right when J. B. Strickland, Process Maintenance, receives a fruit basket with a three-pound fruit cake. At far left in this picture is Harlan Wright, Y-12 Recreation Supervisor; at right is Miss Livesay. More than 350 guests thoroughly enjoyed the affair and the tuneful numbers by the Larry Dunn orchestra December 7.

# The Bulletin

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**QUEEN OF ALL CLINTON** Grammar School is pretty Gail Sikes, daughter of J. A. Sikes, of Alloy Maintenance. She is 11 years old and in the sixth grade.



Get well wishes are sent the following Y-12 employees who were patients last week in the Oak Ridge Hospital:  
O. M. Pope, Laundry; Elizabeth Harris, Product Processing; Bobby Powers, Beta Two; Jack Neal, B Mechanical Operations; Alyn D. Johnson, Alloy Maintenance; J. C. Price and Edward R. Pollard, Research Services; Hillard Applin, Buildings and Grounds; W. F. Smith, Electrical Maintenance; M. W. Bradshaw, A Mechanical Operations; David Bailey, Fire Department; Joseph P. Hunt, Production Inspection; William Jennings, Maintenance Planning; Edgar C. Underwood and Kenneth Webber, Mechanical; Willie Bailey, Janitors.

ed into almost every language and even into Braille. An artist of a century ago drew a Saint Nick from Moore's description—  
"His eyes, how they twinkled! His dimples how merry—and the beard on his chin was white as the snow—" and gave a Santa Claus image that has endured for these many generations.

From one friend to another—slow down, brother.



In Denmark it's "Glaedelig Jul," in Holland it's "Hartelijke Kerstgroeten," in Finland it's "Hauskaa Joulua," in France it's "Joyeux Noel," in Germany it's "Froehliche Weihnachten," in Italy it's "Buono Natale," in Spain it's "Felices Pascuas," and in Portugal it's "Boas Festas."  
Whoever you are, wherever you are—however—it's not the language, it's the wish from the heart. So—to one and all and sundry—in good old U.S.A. words—  
"M-E-R-R-Y C-H-R-I-S-T-M-A-S."

### MECHANICAL OPERATIONS

When anybody yells "Mister President" around G Mechanical Operations **George Ferrell** is first on his feet—he's prexy of the Methodist Men's Club and the Community Club over Martel way.

One of those Santas sashaying around Oliver Springs is **H. Mitchell**, of F Mechanical Operations . . . The department welcomes **J. McGee** back via the transfer route . . . Agent X reports **C. E. Stegall** has planted so many trees around his premises that wild animals now believe it is a game refuge . . . **Ernie Collins** bagged a batch of rabbits recently at his father-in-law's farm near Nashville . . . Get well wishes to **Carl Day** and **John French** . . . Also to **Mrs. M. F. Hazelwood**, reported recovering after going home from a hospital . . . Likewise to the father of **W. J. Anderson**, ill in Baptist Hospital, Knoxville.

D Mechanical Operations reports **E. G. Herrmann** is vacationing in Miami—watch out bangtails and pari-mutuels . . . The Bldg. 9998 Group welcomes a couple of new faces—**D. D. Keith** and **H. D. Morris**.

No Saint Looney for the **Koons** family this Christmas—**Mavis**, B Mechanical Operations, and hubby, **Elmore**, Mechanical Department, are in Miami and will return via Atlanta to visit their son **Bill** and the grandson, **Willie, III** . . . **Ed Sise** is vacationing at home in Oak Ridge trying to act like a grandpa—he is . . . **B. E. Ward** is resting over at Petros . . . **C. C. Shipley** is back from his Loudon County vacation and **L. C. Hale** from a few days around his Oak Ridge home . . . Get well wishes to **Jack Neal** and **J. E. Gilstrap**, ill in Oak Ridge Hospital and **H. G. Crews** at home . . . Condolences are extended **J. H. Nash**, whose grandfather, **W. H. Nash**, of Oneonta, Ala., died recently.  
General Machine Shop again has mostly sad news to report for the

holidays . . . Condolences are extended **W. O. Thompson**, whose mother-in-law, **Mrs. G. B. Green**, died in LaFollette December 11. . . Likewise to **R. P. Wallace**, whose mother, **Mrs. Audrey Pickens**, succumbed in Johnson City December 11 . . . The same sorrow is expressed for **E. S. Henck**, whose sister, **Mrs. Thelma Kovach**, was fatally injured in a Cincinnati automobile accident—the Y-12 man attended funeral services for her in Brownsville, Pa. . . On the lighter side, **Jim Thorpe** paid one of his periodical visits to his daughter and family (the **Jim Nielsens**) in Cedar Rapids, Iowa.

. . . **W. A. Rutherford** is taking a week to move into a bigger Oak Ridge house . . . **Lucille Pruitt** is most happy and proud that her son, **Sonny Pruitt**, was elected alternate captain of the Oak Ridge Wildcats football team for next year . . . **J. E. Mills** is spending the week at home in Rockwood . . . Lots of sick folks to send those get well wishes to—**T. K. Bishop, Sr., J. P. Shuttle, M. S. Baker, L. R. Brooks, C. E. Forrester, F. H. Johnson, C. S. Patty, R. E. Heape, J. T. Creasman, J. B. Price** and **C. L. McCarty**.

### INDUSTRIAL RELATIONS

"There's No Place Like Home For The Holidays," is the theme song of **Dr. Anne Robinson**, of Medical—she is going to have her entire family home for the holidays . There will be husband, **Lawrence**, from Youngstown, Ohio; daughter from **Carlton College, Northfield, Minn.**; son **Frank**, recently discharged from the Air Force, and his wife; son, **Donald**, from the University of Cincinnati; and son, **Ted**, and his family, living right here in Oak Ridge . . . **Ella McKnight** has been preparing for Santa's visit during her vacation . . . **Genie Hale** and husband **Bob**, of ORNL, are visiting her folks in West Virginia . . . **Virginia Slusher** and husband, **Bob**, of In-



**MARCHING BAND SPONSOR** at East Tennessee State College at Johnson City during the 1956 football season was Miss Patricia Ann Matlock, whose proud father is Don Matlock, of Research Services. She is a senior and a member of Kappa Delta, campus chapter of a national social sorority.

dustrial Engineering, are nearby in Virginia for the holidays . . . **Maude Clemmer** will join her family in Cleveland, Tenn., and help them entertain holiday visitors from New Jersey . . . **Mary Rapier** and her son, **Sandy**, also will be Virginia visitors during the holidays . . . **Betty Jo Butler** and her mother, **Meta Butler**, of Personnel Services, just had to go home to Camden, Tenn., for Christmas . . . **Alice Mattingly** is going to Louisville to see Santa appear . . . **Evelyn Wilson** is just going to see things go on in Oak Ridge . . . **Celeste McGee** is at home in Knoxville.

**Hazel Lane**, Girl Friday for Division Supt. **George W. Flack**, is spending the week over at home in Concord—says she is going to sweep the chimney clean for Santa.

Another holiday vacationer is **Verna Morris**, Labor Relations, she's going to sleep late after getting her daughter off to school, make Christmas candy and cookies and generally enjoy life . . . **Jesse James Guin**, the Councilor, is heading for Cincinnati—wants to try the egg-nog there.

**FINANCE AND MATERIALS**  
The entire plant joins Accounting and Budget in extending sin-  
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## Shy Professor Wrote Happy Yuletide Poem

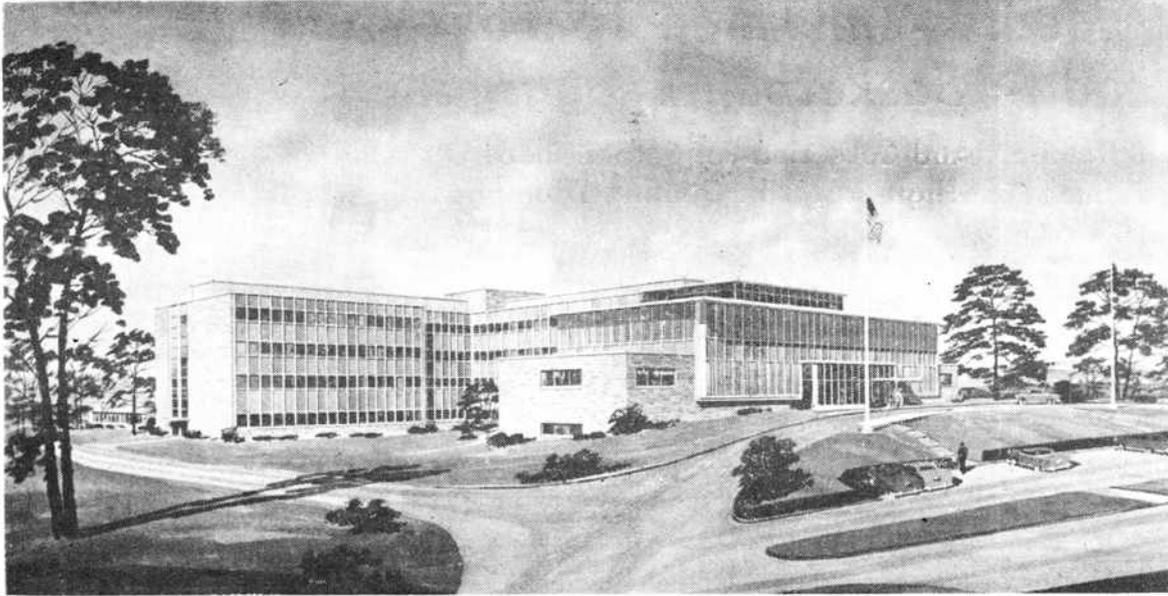
"Twas the night before Christmas  
When all through the house  
Not a creature was stirring  
Not even a mouse.

For well more than 100 years the happy poem that began as above has been a part of just about every American's Christmas—but its modest author never dreamed or intended it to be so.  
He was a shy, scholarly professor—**Clement C. Moore**, of New York City—and he wrote the beloved lines in 1822 just to amuse his own children one Christmas Eve. They were delighted and so was a family friend. She sent the poem to the editor of her home town newspaper with no name signed to it.

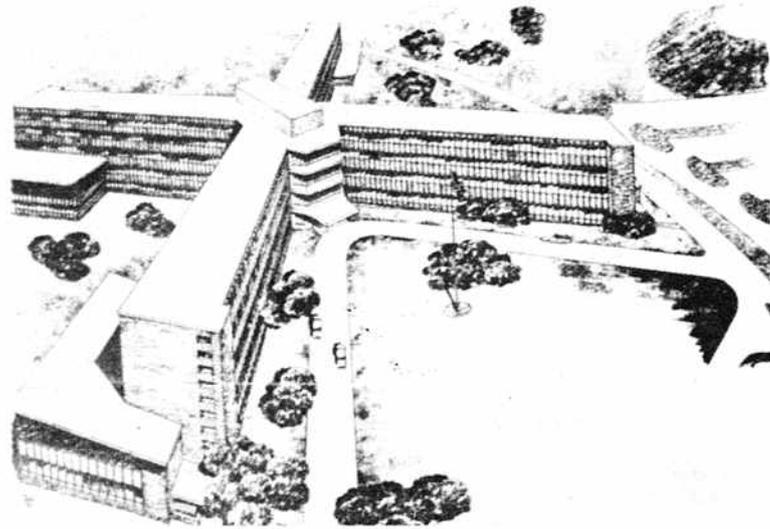
In the years that followed newspapers throughout the country printed the poem anonymously. It was not until 1837 that the name of the author became known. In the 1850s the poem began appearing in school books. Professor Moore never sought nor received any royalties.

The poem has been printed in multi-millions of copies, translated





**THE MODERN DEVELOPMENT LABORATORY** of Carbide and Carbon Chemicals Company now under construction at South Charleston, W. Va., will look like this when completed in 1958. The four-story building, in the form of a cross, affords plenty of light and centralizes the various services where arms of the cross meet.



**THIS IS AN ARCHITECT'S SKETCH** OF the new engineering building of Carbide and Carbon Chemicals Company at South Charleston, W. Va., as a part of the Company's long-range plans for a large technical center adjoining its existing Research Center at South Charleston.

## CCCC Is Building Two Multi-Million Dollar Buildings To House Laboratory, Engineering

### Modern New Structures To Be Completed In 1958; Work Is Part Of Expansion Program Of Company

Two new multi-million dollar buildings of modern design to house a new development laboratory and engineering personnel of Carbide and Carbon Chemicals Company, a Division of Union Carbide and Carbon Corporation, are being erected in South Charleston, W. Va. Announcement of plans for the two new buildings was made recently by D. B. Benedict, President of the Chemicals Company.

A start has been made on the new development laboratory, which will be completed by mid-1958. It will house a majority of the scientists and engineers now working in many separate buildings of Carbide's development laboratories in South Charleston.

Ground also has been broken for the engineering building, which also will be finished during the first quarter of 1958, President Benedict said. This ultra-modern structure, five stories high, will provide needed space for more than 500 engineers engaged in designing new equipment and new plants for the Company's expansion program.

**Two Companies Rapidly Expand**  
Mr. Benedict said that the need for the construction results from the rapid expansion of Carbide and Carbon Chemicals Company and the growth of the Bakelite Company, another Division of Union Carbide and Carbon Corporation. In recent years, the

Chemicals Company has launched an average of 15 new chemicals a year, and produces plastics and resins marketed by Bakelite. Last year the two divisions accounted for nearly 50 per cent of Union Carbide's \$1.187 billion sales.

The Development Department, for whom the new laboratory facilities are being built, is concerned with turning laboratory chemicals into commercial products and in developing feasible industrial processes. Its staff is made up of organic chemists, physical chemists and chemical engineers.

The new project, Mr. Benedict said, includes a main laboratory building, a high pressure laboratory building, a plastics pilot scale building, and separate facilities for studies utilizing gamma radiation and radio active tracers.

#### Walls To Be Largely Glass

The main building will be a four-story structure with outside walls largely of glass, affording the occupants a fine view of the pleasantly wooded West Virginia landscape. Individual laboratories, 26 by 11 feet in floor dimension, will for the most part each be

occupied by a single scientist, although in some instances two men will work together. While the entire building will be air conditioned, the laboratories themselves will have separate air conditioning equipment to handle 100 per cent fresh air with no recirculation. Thus experiments can be performed in conditions of extreme atmospheric cleanliness and uniformity. Specialized facilities have been designed for ultraviolet, infrared, mass, and emission spectrometry, microscopy, physical testing, and X-Ray diffraction studies.

Fellheimer and Wagner, architects, have planned a novel and highly functional cross-shaped structure for the main building. The arrangement centralizes common facilities, such as elevators, washrooms and storage, where the arms of the cross meet, reducing walking distances and traffic density to a minimum. A degree of privacy is thus obtained that is accomplished conventionally only in four separate buildings.

**Big Experimental Center Planned**  
The site of the new facilities is an 18-acre tract adjacent to Carbide's present extensive research facilities. Long-range plans call for a large experimental center in this area.

In addition to the main building there will be a laboratory 240 feet long and 40 feet wide with facilities for studying continuous processes at pressures up to several thousand atmospheres. The plastics pilot scale building will be a three-story structure, 100 by 75 feet.

To provide space for employees' automobiles, four parking strips will be built.

The new engineering building also was designed by Fellheimer and Wagner for maximum efficiency. It is composed of four wings that meet in the center at an angle to form an X. The standard width for wings in this kind of building is 65 or 70 feet, but in this new facility the wings will be only 36 feet wide. At the tips of each wing there will be a widened space for drafting rooms with ceilings that slope toward the windows and thus reflect light inward.

An unusual number of office modules with wood-paneled walls running to the ceiling will provide quiet, attractive facilities for engineers on the three upper floors. Outside walls will be mostly glass. Parking strips, terraced and landscaped, will hold more than 500 automobiles.

The engineering building will occupy ground adjacent to Carbide's present research facilities and not far from the new development laboratory.



Continued from Page 4

condolences to **Harold Ratjen**, whose wife, Katherine, died last Friday night at Oak Ridge Hospital.

**Dot Park**, Mail Room, is going to have a mess of visitors around for the holidays—daughter Martha and husband, from Memphis; sister and husband, Mr. and Mrs. C. W. Talley and daughter, from Nashville . . . **Lula Justice** is holidaying over at home in Oliver Springs . . . **Sarah Keith** is doing likewise at home in Knoxville.

**Margaret Parks**, Reproduction, and husband, **J. O. Parks**, of Process Maintenance, are vacationing in Kingston with a side trip to Kentucky . . . **Alberta Phillips** and husband, **Clarence Phillips**, Electrical Maintenance, are Christmasing in Cleveland, Ohio; it was her first plane trip . . . **Andy Inman** is at home in Oak Ridge.

**Violet Sanford**, Engineering Records, is visiting home folks in Roanoke, Va. . . . **Carl Roddy** is looking over the Christmas lights in Knoxville.

Plant Records reports **Jim Sykes** is holidaying at home in Kingston. . . . **Mary Scalf** also is over that-away . . . **Pauline Barnhill** will stay at home in Oak Ridge for the holidays . . . The Records Center, Accountability Office and Central Files had a pre-Christmas get-together dinner at the Park Hotel in Clinton, December 11, and all enjoyed the turkey dinner.

Property's **Emma Puckett** will do her Christmas celebrating at the old homestead at Shelbyville, Ky. . . . **Clifford Anderson** is going to move into his new home in Maryville this week . . . **Bill Hoppe** is going to stay around home this week.

#### SHIFT SUPERINTENDENTS AND GENERAL UTILITIES

**Nick Tronolone**, General Utilities, vacationed at home in Knoxville's West Hills . . . **Jackie Ford** is up in Virginia this week . . . **J. O. Olvey** also is away—whereabouts unknown . . . **J. D. Tolliver** planned a trip to Harlan, Ky., on his long break . . . Get well wishes are sent **K. E. Caughron**, on the sick list.

**J. S. Wilson**, Steam Plant, is decimating the rabbit population around Friendsville this week . . . **R. F. Farmer** and **K. W. Silvers** are other vacationers of the week. . . . Rapid recovery wishes are sent **W. F. Huffman**.

#### TECHNICAL

During this holiday season, the Special Projects Department is happy to welcome a real live doll—**Ella Stansell**—newcomer to Y-12 and the department . . . Also welcomed—on a temporary loan basis—is **Dewey Foulk** . . . **Don Woodbridge** can't find his red S. Claus suit, but that won't dim his Xmas vacation—nor that of his son who will be home from college . . . **Chet Borge**, after a Thanksgiving holiday of entertaining his parents, will don the long beard of Kris Kringle for his two precious youngsters and his in-laws . . . **Helen Stone** is hitching a ride to Chattanooga and Cleveland, Tenn., with Santa to exchange holiday greetings with long-time friends. . . . **Frank McGuinness** hopes to find a big box of stogies under the Yule tree that he can enjoy while driving to a super-doooper New Year's party in Delaware. (Remember, Mac, it is a long way back.) . . . Since **Jim Warner** spent Thanksgiving in Cincinnati,

he's talked his folks there into coming to Knoxville for the holidays . . . The colyum's agent peeked at a letter the other day—it read, "Dear Santa: All I want for Christmas is a set of one dozen keys and to stay at home." (Signed) **Grady Bennett** . . . **Ernie Zurcher**, **Dick Wyrick**, **Sam Rea** and **Harold Williams** vow they are going to relax quietly at home for the holidays . . . **Harvey Hankins** is taking the "con" side.

**Jim Bartholomew**, Electrical Engineering, and the missus became sole owners of one of those bundles from heaven a few days ago—a son born at Oak Ridge Hospital December 9.

Project Engineering has **Margorie Gilliland**, **Lois Oaks**, **Barbara Henley** and **J. C. Bresnahan** all planning to be Santa's little helpers during the holidays.

**Jim Parham**, Laboratory Operations, is taking it easy over at Norris . . . **Doris Brogan**, the Colyum's reporter down there, week ended in Cookeville.

**Wanda Hawn**, who gathers the dope for the Colyum in Production Assay, has moved into her new home at Oliver Springs.

**Fay Duncan**, another newshound over in Special Testing, still is out ailing—hope she'll be back soon . . . **Herb Gwin** plans to put the finishing touches on the Christmas situation while vacationing—and pals wonder if they are going to get some of that homemade fudge he plans to make . . . **Sewell Howard** might do a little hunting while vacationing.

Production Analysis sends best of luck wishes to **R. T. Goodpasture** and **Rod Creigh**, both of whom will be taking examinations at the University of Tennessee while vacationing . . . **A. G. Haney** will be just a-sittin' and a-waitin' for Santa from now on.

#### MAINTENANCE

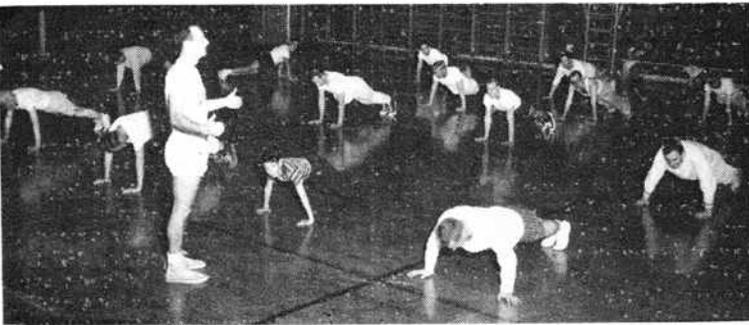
**Don Matlock**, Research Services, and the missus are really going to get around over the holidays—using Red Nose Rudy, no doubt, as principal transportation. They are going to see their son, Donald, in the Air Force at Kelly Field, San Antonio, Tex., and play Santa to the grandson in that family. Thence to Cheyenne, Wyo., to spend New Year's with the Y-12er's parents . . . Winding up their Yule shopping are **F. Irwin**, **C. C. St. John**, **D. L. Craig**, **J. W. Howard**, **P. D. Pace** and **T. C. Caldwell** . . . The following fellers are on the ailing list and pals hope they will be back soon—**H. M. Smith**, **J. A. Hale**, **C. J. Job**, **E. R. Pollard**, **W. L. Allen**, **J. C. Price** and **C. C. Bowman**.

Maintenance Planning hopes Santa knows where the Oak Ridge Hospital is located—that's where **W. N. Jennings** may have to spend the holidays . . . **Helen Sisson** is appealing to the weatherman to be kind during the holidays—her vacation plans depend on it . . . **D. P. Anderson** and family are vacationing out in Salt Lake City, Utah . . . Condolences are extended **Mildred White** on the death of an uncle in Dowlstown, Tenn.





**WITH A Y-12ER CONDUCTING THE CLASS**, weight lifting is one of the exercises offered in the Union Carbide Nuclear Company physical fitness class. Martin Medved, Process Engineering, right, is the director. The physical fitness class is just one of the many recreational and sports activities offered UCNC employees in Oak Ridge.



**HAROLD "HERKY" PAYNE, FORMER TENNESSEE VOL FOOTBALLER** and now Recreation Supervisor at Oak Ridge National Laboratory, is shown directing push-up exercises at the UCNC physical fitness class.

### 'Guided Muscles' Class For UCNC Folks Proving Popular In Three Ridge Plants

The class in "guided muscles" or physical fitness group opened a few weeks ago for employees in all three plants of Union Carbide Nuclear Company in Oak Ridge has proven popular from the start with attendance growing at each weekly session. The class meets at 7:30 o'clock every Tuesday night and every UCNC worker in Oak Ridge is cordially invited to come out and get the kinks out of under-worked muscles through various kinds of exercises.

One of the features of the "guided muscles" class, as its members have termed it, is weight lifting. This work is conducted by Martin Medved, Process Engineering, a veteran and capable performer in this field. Medved was welter-weight lifting champion in Wisconsin in 1940 and was second in the Southeast and third in the entire South in his favorite pastime in 1946. In 1946 and 1947 he was Tennessee state champion.

Medved is a strong advocate of weight lifting as a means of exercising the entire body and strengthening many muscles not used in ordinary sports.

The calisthenics classes also have proven popular. They are led by Harold "Herky" Payne, Recreation Supervisor at Oak Ridge National Laboratory and former University of Tennessee footballer. Payne puts his charges through plenty of work, including push-ups, rope skipping, bending and other exercises that loosen up tired bodies.

Careful drivers are courteous drivers.



### Wins By Playboys, Swingsters Feature

The Swingsters and Playboys, second division clubs in the first round of play in the Classic League, rose mightily to smite the opposition last week and gain a tie for second place in the loop and at the same time threaten the lead of the Wasps, who could only gain an even split with the Wolves. The Swingsters whitewashed the Tigers for four points and the Playboys unravelled the Rippers for three. In other contests the Rebels hung a white-wash on the Cubs, the Screwballs banged the All Stars for three and an even split was posted by the Bumpers and Has Beens.

Cecil McCoig, of the Wasps, had a good night on the alleys with a 219 scratch and 256 handicap game and a 663 handicap series. Van Williams, Bumpers, had a 577 scratch series. In gaining their tie with the Wasps, the Wolves swept all team scoring honors with 914, 1063, 2526 and 2959.

League standing follows:

Team	W	L
Wasps	9	3
Playboys	8	4
Swingsters	8	4
Rippers	7	5
Rebels	6	6
Bumpers	6	6
All Stars	5	7
Cubs	5	7
Has Beens	5	7
Wolves	5	7
Screwballs	5	7
Tigers	5	7

Work for safety always — it's your health that counts, not awards.

## Wildcats Win Three To Take Lead In Basketball League

**B Bombers And Cubs Tied For Second Place; Felines Post High Scores In Gaining Triumphs**

The Wildcats added three convincing victories in the Y-12 Plant Basketball League last week to spurt to the top of the standings with five triumphs and nary a loss. The B Bombers, making their first two starts of the season impressive wins, found themselves in a tie with the Cubs, idle last week. When ball bouncing stopped last Thursday night, every team in the loop had seen action so far this season.

The Wildcats started their victory string last week by trouncing the Rebels by 46 to 31. A well-balanced offensive with Monsey and Hickey sharing honors with 10 points each enabled the winners to get out in front and stay there. The high point man in the game was Teno, for the Rebels, with 16. Norman got nine for the Rebs.

Hickey led the felines with 19 counters against the C Hawks with the Wildcats defeathering their foes by 46 to 13. Mealer got nine and Monsey eight in this romp. The 'Cats wound up the week with a high scoring triumph over the Sharpshooters by 54 to 44. It was Hickey again with 14 to lead the winners, closely followed by Mealer at 12 and Jones with 10. The Sharpshooters' Vanoy led the scoring parade with 15 tallies, Rutherford got 10 and Moore eight.

The B Bombers blasted the hard fighting Rebels by 55 to 31 as Bill Butturini and Palo O'Neal each tallied 14 points and Hansford 12. Carter's 16 and Teno's 12 were tops for the losing quintet. In their other win, the Bombers and Wizards by mutual consent ended hostilities at half time to allow one player to leave for school and the Bombers had a 24 to 17 lead at the time to gain the decision.

The C Hawks rallied from their prior defeat by the Wildcats to take a close 33 to 28 win over the luckless Rebels as Bob Morrow led the victors with 14 points. The Rebels again were led by Teno with 13 points and Carter got

### Len Hart Rolls 299 Bowling Game; Sets Oak Ridge Record

Len Hart, All-Carbide, Y-12 and Oak Ridge city championship bowler, rolled what he called some "lousy" games in a league competition last Thursday night at the Central Bowling Alleys — and decided he needed a little practice.

So after the league play had been completed Hart ambled back on the alleys — and set an Oak Ridge record for a single game with a startling 299. That is just one pin shy of a perfect game of 300, the goal of every bowler. Hart blasted 11 straight strikes — and then got only nine pins with his last ball.

The previous Oak Ridge record was held by Ernie Cobble, another Y-12er, who rolled a 290 game several years ago.



eight. The Hawks also bagged a 41 to 20 win over the Wizards as Dail poured 10 points for the winners and Morrow and Moore each had eight. Miller was high for the Wizards with eight.

The Sharpshooters added one win to their list on a forfeit by the Wizards.

League standing and quarter scores of games last week follow:

Team	W	L
Wildcats	5	0
Cubs	2	0
B Bombers	2	0
C Hawks	2	2
Sharpshooters	1	2
Wizards	1	4
Also Rans	0	2
Rebels	0	3

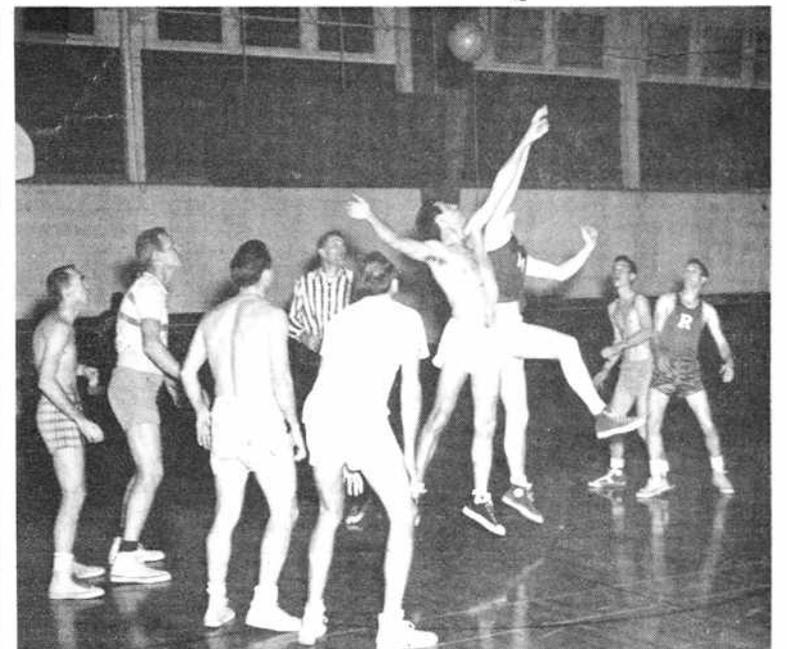
Team	Q1	Q2	Q3	Q4	Total
C Hawks	8	20	32	41	101
Wizards	2	4	12	20	48
Rebels	6	13	22	31	72
Wildcats	15	29	44	46	134
C Hawks	5	8	12	13	38
Wildcats	14	29	40	46	129
B Bombers	13	19	40	55	127
Rebels	8	13	21	31	73
B Bombers	12	24	—	—	36
Wizards	5	17	—	—	22
Called at half by agreement.					
Rebels	5	12	19	28	64
C Hawks	11	21	27	33	92
Wildcats	13	28	37	54	132
Sharpshooters	8	14	30	44	96



**HUNTING SUCCESS** by a couple of Alpha Four Y-12ers is pictured above. At left is E. F. Rutherford, General Utilities, and his son, Tommy, while at right is J. Will Jones, Colex Operations with his beagle, Queenie, who, incidentally, is credited with most of the hard work in flushing the slew of rabbits bagged by the hunters.

### Pay Checks For Monthly Y-12ers Out December 21

Monthly roll employees in Y-12 will receive their December pay checks on Friday of this week, December 21, at the regular pay points during the usual hours. This is a custom of long standing to allow these employees to receive their December pay before Christmas instead of on the 26th of the month. Hourly and weekly pay checks will be distributed on the same day, as usual.



**BASKETBALL, ABOVE, AND VOLLEYBALL, BELOW, ARE** two fine sports activities offered Union Carbide Nuclear Company employees in Oak Ridge. In this picture the Cubs, in shirts, and the Sharpshooters, skins, begin a Y-12 Plant Basketball League game.



**VOLLEYBALL IS A POPULAR SPORT IN Y-12** and above is shown the Hawks, leading team in the Y-12 Plant Volleyball League, in action. The team is captained by Howard Horne, Maintenance Planning.



# 40 Entries Already In For Y-12 1956 Fishing Contest Ending December 31; 1957 Rules Same

With the 1956 Y-12 Annual Fishing Contest scheduled to close at midnight, Monday, December 31, it will be followed right in with the New Year with the 1957 contest picking up where the waning competition ends. Staged for several years now, the Annual Fishing Contests—as well as the fishing rodeos staged from time to time during the warm months of the year — have proved popular with Y-12 anglers, many of whom have won handsome prizes for tugging in the biggest fish in the species covered in the contest.

Up to press time of this edition of The Bulletin, there have been 40 entries filed for honors in the 1956 Annual Fishing Contest. Many of them probably would win prizes in anybody's fishing contests and the competition in some classes is expected to be keen.

With the closing date set for December 31, the deadline for filing entries in the 1956 Annual Fishing Contest is 4 p.m., Tuesday,



January 15, 1957. The entries, filled out according to regulations, should be sent to the Y-12 Recreation Office, Room 226, Bldg. 9704-2.

The judging committee will consist of W. E. Davis, Security; Avery Kendig, Buildings and Grounds; and Harlan Wright, Y-12 Recreation Supervisor. The committee will meet January 16 to determine the winners.

Rules for the 1957 Annual Fishing Contest will be the same as for the 1956 event and are printed on all entry blanks. These blanks should be obtained by Y-12 fishermen before they venture out on angling safaris to be sure they are

on hand when the "big un" is landed.

The eligible species of fish to be entered in the contest are largemouth, smallmouth and striped bass, walleyed and sauger pike, crappie, bluegill-bream, rough fish (catfish, drum and carp), and trout.

Only Y-12 employees are eligible to participate in the event. Fish must be caught on rod and line in legal open season only and played by only one person.

Affidavits must accompany each entry (they are on the entry blanks) and a clear photograph of the catch posing a side view also is required.

Fish entered in the 1957 Annual Fishing Contest must be caught within the continental United States and in fresh water, as salt water fish are not eligible. Largemouth bass from Florida are not eligible nor are trout caught anywhere except in the state of Tennessee or the Great Smoky Mountains.



**THE Y-12 SHIFT SUPERINTENDENTS GROUP AND GENERAL UTILITIES** outfit enjoyed their annual Christmas dinner December 8 at the Rathskeller Restaurant, Knoxville. Seated in the pattern of a Christmas tree for this picture Shift Superintendent Dan H. Rader and Mrs. Mary Lou Rader are in front center. Others in the picture are Jean Ganstaff, Steve Porter, Lalla Darby, Milo Ward, Jackie Ford, Marg and Henry Benninghoff, Lucille and Jud Temple, Mary Louise and Jack Finchum, Janet and George Everitt, Della and H. D. Duncan, Helen and George Kirtland, Helen and Del Bender, Frances and Ray Mann, Ruth and A. H. Norman, Ada and Clyde Hopkins, Paul Hill, Peg and Ken Bernander. Not in the picture but present were Opal and Oscar Blackwell and unable to attend were N. J. Tronolone, S. F. Creigh and Vic Defenderfer.

## Volleyballers Wage Close Engagements

Hard-fought and well-played matches featured competition in the Y-12 Volleyball League last week, as two three-set tilts were staged before decisions were reached. The Hawks stayed out in front in the race with a 15-5 and 15-3 triumph over the crew led by Charley Peterson and kept their loss column clear.

In the other two battles, it was nip and tuck all the way. The Hunters had their hands full downing the Sooners by 15-8, 7-15, 15-10 to remain in second place. Then the scrapping Sooners were victims of a second defeat when the Beavers bumped them by 15-3, 13-15, 7-15.

The volleyballers cavort every Tuesday night at the Elm Grove school gymnasium and all Y-12ers who would like to enjoy the speedy, exciting and non-contact sport are invited to come out and try their hand.

League standing follows:

Team	W	L
Hawks	15	0
Hunters	12	3
Beavers	3	9
Sooners	3	12
Peterson's Team	3	12



**THIS FINE MESS OF** largemouth and smallmouth bass and walleyed pike was caught recently by James R. Cootes, Product Processing, near the Kingston steam plant. Cootes is the angler that caught that record sauger at Swan Pond a few weeks ago that caused considerable controversy at the time.

In Tennessee walleyed pike frequently grow to 15 pounds in just eight years—an unusually good growth rate for fish.

## Bumble Bees Buzz To B League Lead

After a brief stay in first place, the Challengers were dumped into the second slot of the B Shift Bowling League last week by losing three points to the rambunctious Ramblers. Meanwhile the Bumble Bees stung the thick hides of the Alligators for four points to take over the top spot in the loop. The sizzling Seven Ups climbed to a tie with the Challengers for second place by bubbling all over the Crocodiles for a whitewash win of four points.

Nondo Evans, of the Seven Ups, swept all individual scoring honors for the second straight week. His scores last week were 234, 276, 518 and 658. Red McNabb, also of the Seven Ups, also showed fine form with a 185 scratch game, boosted to 249 with handicap to help the team along.

In team scoring the Seven Ups and Ramblers divided honors. The Seven Ups had the best scratch scores of a 734 game and 2028 series while the Ramblers' 1002 handicap game and 2983 series was tops.

League standing follows:

Team	W	L
Bumble Bees	32	20
Challengers	30	22
Seven Ups	30	22
Ramblers	28	24
Crocodiles	23	29
Alligators	13	39

## C League To End First Half Tonight

With the Deltas holding an apparently safe lead of four points, the first half of the season in the C League of plant bowlers will conclude with the alley activities of tonight, Wednesday, December 19. In last week's contests the Deltas downed the Cards for three, the Q Balls took Murderer's Row by the same margin, the Hornets stung the Rusty Five for a four-point whitewash and the Engineers took three from the Sooners.

League standing follows:

Team	W	L
Deltas	37	19
Murderer's Row	33	23
Q Balls	32	24
Sooners	31	25
Hornets	27	29
Rusty Five	25	31
Engineers	25	31
Cards	15	41

Take pains to save hurts.

## Two Teams Narrow King Pins' Margin

The Alley Cats and Do Littles both narrowed the first place margin of the King Pins in the Evening Shift Bowling League with three point triumphs over the Sure Shots and Hot Shots respectively while the loop leaders and Gutter Ballers were breaking even in their match.

The Do Littles took three of the team scoring honors in their win, posting a 679 scratch game, boosted to 926 with handicap, and a 2008 scratch series. The Alley Cats came through with a 2723 handicap series. In individual scoring, Blay, of the Gutter Ballers, had a 212 scratch game, increased to 256 with handicap. Compton, Do Littles, rolled a 483 scratch series and Murray, Alley Cats, a 618 handicap series for tops of the night.

League standing follows:

Team	W	L
King Pins	28	12
Alley Cats	25	15
Do Littles	25	15
Gutter Ballers	18	22
Hot Shots	14	26
Sure Shots	10	30

## Clippers Maintain Overwhelming Lead

The Clippers boosted their overwhelming lead in the Mixed League of Y-12 men and women bowlers last week by blanking the Units for four points. The Scrappers handed the Nip and Tucks a similar licking, the Knockouts and Oleos divided four points and the Pin Cats pounced on the Alley Cats for four.

Tom Hillard, Scrappers; and Bob Morrow, Clippers; each had a 189 scratch game but Hillard went on to rack up a 546 scratch and 636 handicap series. Frankie DuBose, feminine member of the Knockouts, led handicap game scorers with 221. The Clippers had a 663 scratch and 817 handicap game and 1859 scratch series while the Scrappers rolled a 2321 handicap series.

League standing follows:

Team	W	L
Clippers	49	3
Scrappers	32	30
Units	28	24
Knockouts	29	23
Pin Cats	27	25
Oleos	23	29

Courteous drivers live longer.



**THE RUSTY FIVE BOWLING TEAM** of the C League is composed of veteran Y-12ers and old timers on the alleys. From left are Harold Ratjen, Jim Thompson, Leo Hemphill, John Snyder and Clyde Bowles. Squad member George Mitchel was absent when picture was made.



**HERE IS A SMALL PART OF THE CROWD** of more than 350 merry-makers enjoying the dancing to the tunes of Larry Dunn's orchestra at the Y-12 Dance Party. Note the attractive decorations at the big Oak Terrace ballroom.



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## Social Security Taxes Increase January 1

Continued from Page 2  
changes, such as marriages or divorce, births or deaths of dependents and arrival or departure from households of persons claimed as legal income tax exemptions should be noted.  
The W-4 Forms may be obtained from timekeepers or at the Timekeeping Department, Y-12 Cafeteria Building, ground floor, and must be sent to the Timekeeping office when filled out. Reports of changes can benefit many Y-12ers if the number of dependents is increased and it is an obligation to the government to report if the number of dependents is lessened.

## Y-12er Helps Build Belt Weaving Loom

Continued from Page 2  
make their loom for weaving belts for the Tennessee Handweavers of Dandridge. The loom is foot-powered and its functions are performed by hand to produce the finished belts.  
Both Read and Johnson are members of a U-T class in work simplification, with one problem being to take up actual problems of production and provide a solution.  
Read graduated from the University of Tennessee in 1951 and came to work in Y-12 shortly afterward.

## Promptness In Attendance At Children's Parties Urged

Promptness in attendance at the Union Carbide Nuclear Company Christmas Parties for children next Monday, December 24, is urged of every Y-12er who has tickets to the affairs for his youngsters. For the first time, this year the five parties will all be held on one day, four at the Oak Ridge High School auditorium at 9 a.m., 11 a.m., 1 p.m. and 3 p.m. and at 11 a.m. at the Gamble Valley school gymnasium. By being sure of showing up for the party the tickets call for and being on time, confusion can be avoided and the affairs run off in order.  
Through last Friday the Y-12 Recreation Department had issued a total of 2,460 tickets for the Christmas parties, 1,731 being for youngsters and 730 for adults to accompany the younger children to the entertainment.

## THIS IS NO BALOGNA

If all of the sausage casing produced in the United States annually were laid end to end, they would form a tube 940,000 miles long. What this source of information failed to state is what would the tube be good for.



**THIS HAPPY CHARACTER** has just wound up his Christmas shopping in fine style—bringing home the bird for the festive holiday meal and a United States Savings Bond as an investment for the family.

## Rides Wanted, Offered

**Ride or riders wanted from Norris, Evening Shift (4 p.m. to 12:30 a.m.).** Jim Morrison, plant phone 7549, home phone 418, Norris.

**Riders wanted or will join car pool from LaFollette to Central Portal, straight day.** T. R. Kirtland, home phone 501-XR, LaFollette.

**Ride wanted from Lenoir City to Central Portal, straight day.** W. P. Bonner, plant phone 7428.

**Ride wanted from Athens, Tenn., to any portal, straight day.** Hugh Stephens, Jr., plant phone 7764, home phone 5-7036.

**Car pool participants wanted from Cecil Ave., Knoxville, to any portal, straight day.** Harold Goldston, plant phone 7-8211, home phone 2-4966, Knoxville.

**Want to join car pool from Riverside Drive area, Knoxville, to Central Portal, straight day.** L. A. Harris, plant phone 7162, home phone 4-4284, Knoxville.

**Ride wanted from 948 North 5th Ave., Knoxville, to Central Portal, straight day.** Jack Bounds, plant phone 7360, home phone 5-5963, Knoxville.

**Ride wanted or will join car pool from Lenoir City to West or Central Portal, straight day.** Ella Stansell, plant phone 7-8434.

**Ride wanted from Kensi Drive, Fountain City, to West Portal, E Shift.** H. F. Seiber, plant phone 7756, home phone 6-7357, Knoxville.

## TUNE FOR POP

A Los Angeles, Cal., hospital, not content with installing a public address system so that fathers could hear their offspring's first cries, also will record baby's first yell and present it to Pop.

## Educational Aid Applications Urged

Continued from Page 2  
of Tennessee extension courses will be held from 6 p.m. to 9 p.m., January 3 and 4, 1957; and from 8:30 a.m. to 12 noon, January 5. Enrollment will be at the Oak Ridge Adult Education Office at the Oak Ridge High School. Winter term classes begin January 7, but registration will be accepted until January 19.

### Many Different Courses Offered

The university extension courses offered include instruction in accounting, business law, chemistry, economics, engineering drawing, English, industrial engineering, mathematics, psychology, shorthand, speech and statistics.

The Adult Education Program classes cover a wide field of vocational training as well as other subjects. Registration for these classes at the AEP office at the high school will be from January 2-15, with classes opening January 7. Registration will be from 1 p.m. to 5 p.m. on Monday through Friday and on Friday from 8:30 a.m. to 5 p.m.

### Graduate Program Offered

Graduate courses offered by the University of Tennessee Graduate School resident program at Oak Ridge will accept registration from 6:30 p.m. to 9 p.m. on January 2 at the Oak Ridge Institute of Nuclear Studies training building on Administration Road. These classes will begin January 3.

Educational assistance under the UCNC program was given approximately 100 Y-12ers during the fall term of classes at the university and AEP. This compares to 46 for the spring term and 17 for summer term courses.

## Laundry Employee Retiring December 28

Continued from Page 2  
sweet to me" for so long.

The only other woman employee in Y-12 to retire was Inez Lowry, who left on October 1, 1953.

In addition to Mrs. Johnson, the Y-12ers who have retired this year are:

W. A. Pratt, labor foreman, and J. E. Hudgens, carpenter, both in Buildings and Grounds, February 1. (Mr. Pratt died unexpectedly in June as the result of a heart attack.)

David B. Samuel, chemical operator, Product Processing, March 29.

Richard T. Faulkner, rigger and ironworker, Buildings and Grounds, May 1.

Abb M. Monger, order detailer and estimator, General Machine Shop; and Jesse J. Durrett, chef at the Cafeteria, May 31.

Samuel A. Fink, operator, Chemical, July 1.

Samuel B. Cotham, pipefitter, Research Services, August 1.

Samuel L. Bryant, rigger, Buildings and Grounds; and Thomas H. Burger, material handler, Salvage, September 28.

Samuel V. Evans, carpenter, Buildings and Grounds, August 31.

Willis E. Lamb, laborer, General Machine Shop, November 1.

Everett C. Greenlee, assistant carpenter foreman, Buildings and Grounds, November 30.

Y-12ers previously retiring before 1956, in addition to Mrs. Lowry, were H. E. Greaser and Rufus Dunn, 1949; W. F. Burnett, 1950; H. O. Ramey, P. W. G. Nielson, J. T. Bratcher and W. J. Stolp, 1952; S. B. Ward, 1953; W. C. Laughlin, 1954; Lender Sharp and K. T. Woolwine, 1955.

## Photo Contests To Continue; One Big Rule Change Made

### One Winner Per Month Limit Set In Event

With but one important rule change aimed at making the competition brisker, the Y-12 Weekly Photographic Contests will be continued next year. The 1956 contests have proven popular with the shutterbugs around the plant and many fine pictures were submitted for consideration by the judges.

The big rule change allows one entrant to have only a single first place picture every month. This will result in the winner of each weekly contest being eliminated from consideration for the remainder of that month. The change is expected to bring more Y-12ers into the contest and make the race tighter at the end of the year.

### Simple Rules Are Cited

As indicated, the contests are separate each week and entries must be in the hands of the Y-12 Recreation Department, Room 226, Bldg. 9704-2, not later than Wednesday noon of each week. The contest is limited to black and white prints—no colored pictures can be accepted—up to five by five inches in size. No pictures that have won awards or citations in any previous contests are eligible for entry. The judges are selected from the Carbide Camera Club. The first place picture each week is awarded 25 points and the second print gets 15 points.

It is desirable, but not absolutely required, that all prints entered be on glossy paper. The winners will be printed in The Bulletin and glossy prints reproduce much better.

### Alford And Horne Winners

The 1956 contests have been won by Dave Alford, Beta Two, with Howard Horne, Maintenance Planning, finishing second. Both will be awarded valuable photographic merchandise as their prizes.

At the end of the year the "Picture of the Year" will be selected from the winners in each of the weekly contests. The winner of this honor will receive merchandise awards equal to that of the point winner.

## Christmas Dance Is Slated Thursday By B Shifters

A Christmas dance will be given tomorrow night, Thursday, December 20, by Y-12ers on the B Shift. The affair will be at 8 o'clock at the Veterans of Foreign War building. Music for the dancing will be furnished by musicians from the B Shift itself and both square and round dancing will be offered for the patrons. All B Shifters and other Y-12ers are invited to attend.

## TASTY ENTREES COMING ON SPECIAL LUNCHES

Special Lunch menus at the Y-12 Cafeteria for tomorrow, Thursday, December 20, and on Thursday, December 27, provide patrons of the popular 50-cent meal two tasty entrees. For the Special Lunch tomorrow the main dish will be chicken chow mein with steamed rice and Chinese noodles. The December 27 entree will be ragout of veal. Each Special Lunch includes one vegetable, choice of salad or dessert and rolls and butter.



**MORE CHILDREN** are models for winning pictures in the Y-12 Weekly Photographic Contest for the week ending December 7. "Cleanliness Is Next To Godliness" could be the title of the bathing picture of his daughter by Dave Alford, Beta Two, at top, that won first prize. Howard Horne, Maintenance Planning, found his two youngsters at play for the subject matter of the second best picture at bottom.

## Y-12 Credit Union Will Meet January 10

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members of the credit committee also are to be selected. Terms of regular committeemen W. R. McGill, captain of the Y-12 Fire Department; and William Butturini, Beta Two, expire this year. The terms of the alternates run for only one year.

On the Advisory Committee three vacancies will be filled. The term of W. L. Coggins expires and Phyllis Johnson, Tabulation Services; and John Lay, SS Control; are serving unexpired terms.

### Dividend Set By Members

The important decision of setting a dividend rests entirely with the rank and file membership of the Credit Union — and for that reason a big turnout is urged. For the past several years the organization has declared a 4.2 per cent dividend on its shares, with the dividend payments being credited to the shares.

The Y-12 Employees Credit Union was organized in 1950 and this year passed the \$1,000,000 mark in assets. It is considered one of the best of the several credit unions in Oak Ridge from the standpoint of stability and service.

"Well, doctor, was my operation a success?"  
"Who's a doctor? I'm Saint Peter."