

Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12

Volume 3, No. 2

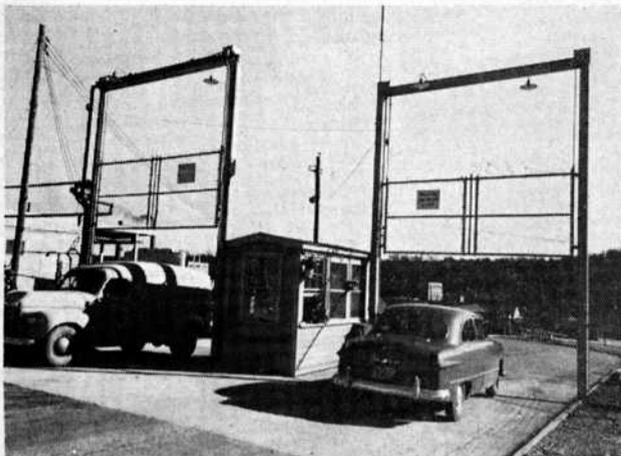
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OAK RIDGE, TENNESSEE

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Tuesday, January 18, 1949



THAT "NEW LOOK" PREVAILS AROUND THE Y-12 North Portal these days. At left is the new vehicular gate for all such traffic into the plant area. The twin gates are electrically operated with a 15-foot vertical clearance and the roadways are 20 feet wide. Signal lights inform drivers when the gates are completely elevated and when it is safe to pass through. The "new look" also extends to snappy new uniforms for the Y-12 Guard Department and Guard S. N. Elmore and Guard Sgt. P. C. Dabbs are shown in the center picture wearing the handsome and dressy new Eisenhower-type jackets of cadet gray whipcord now being issued all members of the department. At the right Sergeant Dabbs and Guard Elmore are shown at the pedestrian gate adjacent to the new vehicular entrance.

Y-12 Photos By Vince Moore

All Clearances Require Thorough Investigations

One of the major steps taken by the Atomic Energy Commission and every one of its contractors in the atomic energy program of the nation to insure security in the vast project is the thorough investigation made of every person employed by the commission or its contractors. Every employee of Y-12 may be assured that these investigations, required by law, extend to everyone in this plant and others operated by Carbide in Oak Ridge and that the same yardstick is applied to all old and new employees alike.

The Atomic Energy Act of 1946, which created the Atomic Energy Commission, in Section 10 provides that no person be employed at any project or be allowed to enter any installation under supervision of the commission until the individual has been granted clearance by the commission. The law also provides that before such clearance is granted an investigation is to be made by the Federal Bureau of Investigation as to the character, associations and loyalty of such persons.

To provide a basis for the investigations by the FBI, an AEC questionnaire was submitted to all employees working on atomic energy projects after the commission was created. Clearance accented by the Manhattan Engineer District for wartime employment under Army supervision was not accepted by the AEC as the law required the commission to give its own clearances after a re-investigation of all persons employed on atomic energy projects.

Same Procedure For All
As the AEC questionnaires were filled out by these employees complete new fingerprint records were taken of every individual to aid in the investigation. Still further new pledges, or "security acknowledgments" were completed by all employees and sent to the AEC. The same procedure applied to old employees now is applicable to all new employees of the commission and its contractors.

The questionnaire, fingerprints and security acknowledgments of all employees are sent to the Washington office of the AEC. Then they are submitted to the FBI. After the investigation are made by the FBI reports of its findings are returned to the AEC. AEC authorities then carefully peruse the reports and decisions are made as to granting or denying of clearance, based on FBI findings.

Two forms of clearance are granted by the AEC. They are "Q" and "P," the latter being temporary. The types of clearance are based on the classification of work being done by the employee, the portion of an atomic energy project to which the employee is assigned and what amount of "restricted data" the employee may be required to know in connection with his job.

How Areas Are Designated
Areas of all plants under AEC supervision are divided into areas known as "exclusion" and "limited." An exclusion area is where work of a process or laboratory nature classified as confidential or secret is being done. A limited area is where administrative or mechanical work not of a classified nature is being done. However, at times there may be classified work being done in a limited area and therefore certain restrictions are placed on those employees engaged in that work although they may be in the (Continued On Page 4)

Carbide Camera Club Plans Program To Help New Members In Group

A campaign of assistance and education for all prospective or beginning photographers in all three Carbide and Carbon Chemicals Corporation plants in Oak Ridge has been launched by the Carbide Camera Club, according to Harry Bainbridge, of Dept. B12H in Y-12, president of the organization, who took over leadership of the club last week. He succeeds Foster Calloway, also of Y-12 as president, as Calloway's term of office expired this year.

A questionnaire and letter is being sent all Carbide employees believed to be interested in photography, whether they have had experience or not. Officers of the club hope to greatly increase the membership in the organization as a result of the campaign.

Officers Send Letter

In the letter to prospective members Bainbridge, Nat Stetson, Dept. H12E, vice president, and Frank Neill, Dept. H12E, secretary-treasurer; declare:

"As the new officers of the Carbide Camera Club we are anxious that our club serve all those Carbide employees who have an interest in photography. Whatever your interest may be, we know that you can contribute to and profit from the fellowship we have together in our organization.

"We have a good darkroom, nice- (Continued On Page 4)

Three U-T Graduate Courses Added For Winter Quarter

Of interest to scientists in Y-12 and others in Oak Ridge who wish to take University of Tennessee graduate work is the addition of three courses for the winter quarter of the graduate school.

These courses are Physics 621, Nuclear Structure, at the Oak Ridge Institute Tuesdays and Saturdays from 9:30 a.m. to 11 a.m.; Physics 611, Quantum Mechanics, at the Physics Building of the University of Tennessee, Wednesdays and Fridays, 4 p.m. to 5:30 p.m.; and Chemistry 482, Biochemistry, at the Oak Ridge Institute, Tuesdays and Thursdays, 7 p.m. to 8:30 p.m.

Complete information on enrollment in these courses may be obtained from the office of the Oak Ridge Adult Education Program, 5-2889.

BRITISH VISIT SWISS

The Swiss Red Cross recently entertained 246 disabled British war veterans, according to a news story from Berne. The veterans traveled to and from Switzerland by air in groups of about 50.

Nationwide Picture Contest Will Be Staged By Union Carbide Club

A nation-wide photographic contest for employees of Union Carbide and Carbon Corporation and all of its units, one of which is Carbide and Carbon Chemicals Corporation, has been announced by the Union Carbide Camera Club, of New York City. The contest will be held in New York City, May 19.

All UCC Employees Invited

The Union Carbide Camera Club is composed of Union Carbide employees in the New York area, who have invited all UCC employees and those of its units to join in making the show and contest a success. The contest is being sponsored, the UCC Camera Club states, "in the interest of mutual enthusiasm for photography among the many shutterbugs in the employ of UCC."

Entries in the contest will be exhibited in the Union Carbide building, 30 East 42nd St., New York City, and the pictures will be judged by three nationally known authorities on photography.

Visitors To Get Prizes

Out-of-town entries will be awarded three prizes and three honorable mentions in the New York contest. In addition, a handsome trophy will be given for the "Picture of the Year."

Only three simple rules cover the Union Carbide Camera Club contest. They are:

1. Contestants must be an employee of UCC or one of its units.
2. Only one picture may be entered by a contestant.
3. The picture may be any size but must be on a 16 by 20 inch mount to insure uniformity in the exhibition.

For the information of photographic enthusiasts in Y-12, The Y-12 Bulletin will publish more information on the UCC Camera Club contest as soon as it is available.

North Portal Pay Check Point Is Moved To New Location

Effective this coming Friday morning, January 21, the pay point for the distribution of pay checks at the North Portal will be moved from the previous locations near the plant entrances to a booth adjacent to the building housing The Y-12 Bulletin, the Recreation Office and the bus waiting room. The new location formerly was used as a ticket office for bus lines. There will be no change in hours for distribution of pay checks.

Annual Chest Meeting Will Be Held Friday

The annual membership meeting of the Oak Ridge Community Chest will be held at 7:30 o'clock Friday night, January 21, in the East Lounge of the Ridge Recreation Hall. Eight members of the board of directors will be elected for three year terms and reports on Chest activities both for 1948 and plans for 1949 will be submitted.

All Contributors Are Members

Chest officials stress the fact that every person in Oak Ridge who contributed to the Community Chest campaign last autumn is a member of the organization and not only entitled but urged to vote in the election of the board members.

The eight persons to be chosen for the board of directors for the coming year are to replace eight retiring directors. The retiring directors are Mrs. T. A. Sims, Samuel Miller, George Warlick, A. W. Folsom, G. E. McMillion, K. C. Fahey, M. D. Peterson and Lyle D. Worrel.

A nominating committee will present a list of prospective directors at the meeting, but nominations will be received from the floor. The nominating committee is composed of T. E. Lane, chairman; W. L. Harwell, M. D. Peterson, Mrs. Dana Nance and Paul Ziesing.

Immediately after the election of the new directors, the entire board of 24 members is expected to elect officers for the Chest for 1949. Present officers are Lyle D. Worrel, president; Frank Wilson, vice president; Dan F. Brown, treasurer; and Herbert Clark, executive secretary.

Reports To Be Submitted

Reports to be submitted include a financial report for the 1948 fiscal year ending December 1, 1948. Results of the 1948 Chest campaign will be reported and proposed allocations for 1949 will be discussed.

Carbide Wives Meet Tomorrow Night

The Carbide Wives Club will meet tomorrow night at 7:30 o'clock in the East Lounge of the Ridge Hall.

Hostesses will be Mesdames George Mitchell, chairman, Nat Teese, William Ford, L. G. Overholster, M. R. Skidmore and Louis Madonna.

CARBIDE KEEPS IN LEAD

During the past 15 years, Carbide and Carbon Chemicals Corporation has introduced a new commercial chemical on the average of once a month.

Leaders Hold Positions In Attendance Race

The first and second place winners in the Major League attendance race for the preceding week remained at the head of the upper division in the same slots for the week ending January 9.

Dept. A20N, Field Maintenance, was the Major League winner again and Dept. H12E, Process Development, held onto second place which they occupied for the preceding week.

Departments Closely Bunched

Third place in the Major League went to Dept. A12S, Receiving Stores and Shipping, with 1.71 per cent of its personnel absent. Dept. A20N reported .4 per cent and Dept. H12E reported 1.4 per cent.

The plant average for the week ending January 9 was 2.8 per cent. This mark is .2 per cent lower than the preceding week.

Only three Minor League departments reported perfect attendance for the same reporting period. There are usually around five or six departments in the Minor League reporting "all present."

The three departments reporting (Continued On Page 4)

Emergency First-Aid Kits Placed In Various Buildings

All employees of Y-12 are reminded of the fact that the emergency first-aid kits, containing essential first-aid supplies, have been placed in various buildings for use of local emergency personnel or other qualified employees in administering first aid to ill or injured employees.

Every employee should note that the use of such first-aid kits will in no way replace medical treatment, which is done by the Medical Department.

The kits should be used only for cases of an emergency nature where a slight delay in treatment might tend to increase the seriousness of the condition. They are not to be used for treatment of minor injuries or illnesses which do not require immediate attention.

Y-12 Bulletin

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Mrs. Don Ross Awarded Major Playhouse Role



Mrs. Martha Ross

Mrs. Martha Ross, wife of Don Ross, Dept. H12E in Y-12 and a former Y-12 employee herself, has been awarded a major role in the forthcoming production of the Oak Ridge Community Playhouse, "The Glass Menagerie." The production will be presented at 8:15 p.m. February 10, 11 and 12 at the high school auditorium.

Mrs. Ross will play the role of the dream-like, fragile daughter, Laura, in Tennessee Williams' prize-winning play.

When a Y-12 employee, Mrs. Ross was in the secretarial department of the Chemical Division. She retired to raise the Ross' two boys, David, 17 months, and Michael, six months.

Community Chorus To Give Concerts February 4 And 5

The Oak Ridge Community Chorus will present its second offering of the season Friday and Saturday nights, February 4 and 5, at the Oak Ridge High School Auditorium. Both performances will begin at 8:15 o'clock.

The Friday night concert will be for members of the Oak Ridge Civic Music Association with admission by membership card. The Saturday night performance will be for the general public with tickets selling at \$1 each.

Riley Barrett, director of the chorus, is arranging a program of concert and sacred numbers for the concerts and will announce the list of numbers later.

An office boy approached his boss one fine day and requested the afternoon off. "O. K." said the boss, "I know it's a fine day and there's a good ball game on, but don't give me that old story about going to your grandfather's funeral."

"Oh no, sir: I'm not going to his funeral. I'm going to my grandfather's wedding."

"Your grandfather's wedding? How old is he?"

"Eighty-four, sir."

"What in the world does he want to get married for?"

"He doesn't want to, sir, he has to."

Hospital List

The following Y-12 employees were patients at the Oak Ridge Hospital last week: John D. Gray, Dept. A17N; David R. Stepp, Dept. A16N; Raymond E. Mellen, Dept. A13N; Harold W. Babb, Dept. A16N; John E. Tucker, Dept. A12G.

Squadron Has Dinner For 12 Graduates

The Oak Ridge Power Squadron entertained with a Piloting Class Dinner last Friday night for the 12 persons who recently completed a course in piloting and small boat handling given at the Jefferson Junior High School by the squadron.

Y-12 Man Conducted Class

The class was conducted by G. J. Angle, of Y-12, chairman of the board of admission for the Oak Ridge group.

District Commander H. J. McCampbell, of New Orleans, presented the certificates to the class graduates. Two Y-12ers were inducted into the squadron at the dinner. They were Edward H. Merritt and Henry B. Gibson.

Two Y-12ers Pass Course

William Brundage and Walcott Watson, both of Y-12, have successfully passed the Advanced Piloting course and will receive their ratings soon.

Eight members of the squadron are taking the Advanced Piloting course and 13 are enrolled in the Junior Navigation class. Both of these courses are being given by Commander Fred Franklin at the Power Squadron Building in Gamble Valley.

Seamanship Class Planned

A course in seamanship will be offered when the class in Advanced Piloting is completed.

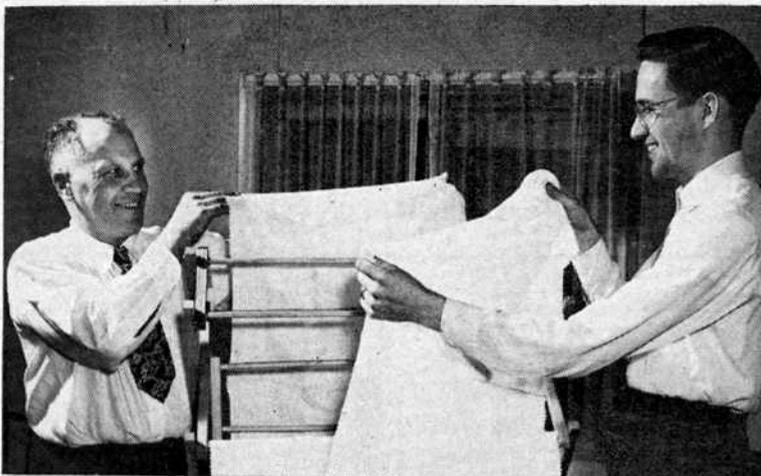
Watson delighted the members at the dinner with colored motion pictures taken by him when he sailed on a schooner to the South Seas several years before World War II. The movie was entitled "A Voyage to Tahiti".

Approximately 1,000 Persons Seen In AEP Winter Classes

With nearly 800 enrollments listed, classes being conducted under auspices of the Oak Ridge Adult Education Program now are under way for the winter term, according to A. C. Keller, director of the educational project. With registration continuing through last week, about 1,000 persons were expected to be on the class rolls.

The AEP office last week listed 228 enrolled in University of Tennessee graduate school classes; 246 in University of Tennessee undergraduate credit courses; 199 in non-credit certificate courses and approximately 100 more in certificate courses being offered Negroes at the Community Center on Raccoon Road.

If a woman is nothing but a rag, a bone and a hank of hair, a man is nothing but a brag, a groan and a tankful of air.



Additions To Y-12 Technical Library

MATHEMATICS

QA 408-R383 — Relton, F. S., "Applied Bessel Functions" London, Blackie and Sons, 1946.

PHYSICS

QC 278-J13 — Jackson, L. C., "Low Temperature Physics." second ed., London, Methuen and Co., 1948.

QC 320-C312 — Carslaw, H. S. and Jaeger, J. C., "Conduction of Heat in Solids." Oxford, Clarendon, 1947.

QC 481-M964 — Muncheryan, H. M., "Modern Physics of Roentgenology." second ed., Los Angeles, Wetzel Publishing Co., 1940.

QC 527-D242 — Daunt, J. G., "Electrons in Action." London, Sigma Books, Ltd., 1946.

CHEMISTRY

QD 31-P328 — Pauling, Linus, "General Chemistry." San Francisco, W. H. Freeman, 1947.

QD 543-R544 — Rideal, Eric K., "An Introduction to Surface Chemistry." Cambridge University Press, 1930.

TECHNOLOGY

TA 9-D152 — Dalton, B. H., "Sources of Engineering Information." Berkeley and Los Angeles, University of California Press, 1948.

TA 462-E92 — Evans, Ulick R., "An Introduction to Metallic Corrosion." London, Ed. Arnold and Co., 1948.

TA 12-R. E57 — Engineering Societies Yearbook, Sponsored by the Engineers Joint Council, Harry B. Coffin, editor, N. Y., ASME, 1948.

TK 6565.C4-W754 — Wilson, W., "The Cathode Ray Oscillograph in Industry." third edition, London, Chapman and Hall, Ltd., 1948.

TK 7E80-W452 — Wellman, William R., "Elementary Industrial Electronics." N. Y., Van Nostrand, 1948.

TP 9-C517 Ref. — Chemical Engineering Catalog, "Chemical and Materials Section." 1948-1949., N. Y., Reinhold, 1948.



Y-12 Photos By Vince Moore

Y-12 MEN OF DISTINCTION are Emil M. Dittman, Dept. B12L, above left, and D. A. Lee, Dept. H12D, for they are the only New Year fathers in Oak Ridge. They are shown practicing the latest methods in diaper drying technique while their wives, below, proudly hold their fine little daughters. At left is Mrs. Everlye Louise Dittman with little Barbara Eileen while Mrs. Doris Corbin Lee and Karen Louise are at the right. Both babies were born January 1 at the Oak Ridge Hospital.

Listening Group Plans Program

Saint-Saens "The Carnival of the Animals," Bizet's "L'Arlesienne Suite No. 2," Enesco's "Roumanian Rhapsody No. 1," and Beethoven's "Symphony No. 5" will be played on the Music Listening Group's Thursday, January 20 program.

Miss Ruth Jewel will present the program notes for the French, Roumanian and German compositions. The program will begin at 8 o'clock in the East Lounge of the Ridge Recreation Hall and the public is invited to attend. Refreshments are served at intermission.



PICTURED ABOVE ARE GUESTS AT A STORK SHOWER GIVEN IN HONOR OF MRS. Hazel Johnson, a Y-12 employee in Dept. B12L, at the home of Anna Ruth Roberson, 119 Tabor Road, January 10. Seated in the center is Mrs. Johnson, the honoree. Guests included Nell Trebilcox, Mary Nell Rawson, Yvonne Hinds, Elma Joyce, Ruth Jones, Edna Rhea, Juanita Moore, Leah Gene Wilson, Elizabeth Patrick, Thelma Cole, Mary Roberson, Billie Britton, Isabelle McMurray, Martha McCombs, Catherine Love and Sue McKinnon.

Isotope Production Is Shown In Exhibit

The production and distribution of stable isotopes produced in Y-12 and the radioactive isotopes produced at the Oak Ridge Laboratory are depicted in a panel to be placed on display at the Oak Ridge Public Library beginning Saturday, January 22. The panel will be on exhibition for several weeks.

The exhibit includes pictures and maps on production and distribution and also explains some of the research being done both with stable and radioactive isotopes.

The panel was prepared by the Isotope Division of the Atomic Energy Commission at Oak Ridge. It previously has been shown at meetings of the American Association for the Advancement of Science at Washington, D. C., and Springfield, Mass., and also at the New England Council in Boston.



Dept. A13N extends get well wishes to Wilber Clarridge, who is ill in a Knoxville hospital. . . Sympathy is extended to T. E. Chaney on the death of his brother-in-law in Knoxville, January 10.

R. H. Young, Dept. A14J, is back on the job after vacationing. . .

Y-12 Fire Chief J. W. Hughey joined Capt. H. W. Krouse in Memphis last week to attend the Fire Department Instructor Conference.

W. J. Wanamaker, C. C. Hubbard and J. S. Dunlap, all of Dept. A20N, enjoyed a round of golf at the Oak Ridge Golf and Country Club recently—but we won't mention any scores.

E. M. Hunnicutt, Dept. A12G, and his family traveled to Johnson City to visit with friends over the week end. . . J. H. Conner, Elbert Scott and C. B. Hilliard went rabbit hunting near Fort Loudon Dam recently and killed two cotton tails and a crow.

Dept. A12A sends get well wishes to Virgil Raines and K. W. Merner, who are on the sick list.

Dept. A12N extends get well wishes to Oral Burnette, who underwent an operation recently.

Garnette Adams, Dept. M12P, and her husband made a week-end trip to Fontana Dam.

J. H. Patrick, Dept. A16N, is the proud papa of a baby boy weighing seven pounds and 12 ounces, born January 6.

Dept. A12P reports Ralph Johnson, former Y-12er, was married to Miss Lorene Margaret Preskitt, of Morris, Ala., at noon, January 17 at St. Mary's on the Highland, Birmingham, Ala. Johnson is now working in Richmond, Va.

Dept. A12S sends get well wishes to Paul Brownlow, who is ill in a Johnson City hospital. . . J. W. Garland visited his little grandson in Erwin, Tenn., recently.

Dept. B13L gave a stork shower in honor of Mrs. Alma D. Condrey, a former Y-12 employee, at the home of Mrs. Dorothy Reynolds, 130 Lancaster Road, January 11. Hostesses were Mrs. Reynolds and Mona Blake. Guests were Mary Ballard, Frances Skeen, Pauline Capps, Juanita Hendon, Bea Grayson, Marcelle Ferguson, Nell Leonard, Ruth Andrews, Bertha Mae Wilson, Louise Hanna and Tina Bacon.

Dept. M15P extends get well wishes to Lloyd Tolliver who is on the sick list.

Gladys Dicus, Dept. B12L, returned recently after a vacation spent in New Orleans where she saw the Sugar Bowl game. On her return Gladys visited with friends in Tuscaloosa, Ala.

A speedy recovery wish is extended to G. E. Fielden and J. C. Ezell, both of Dept. A14N, who are on the sick list.

Dept. H12D reports Eunice Bogle is recovering from a minor operation at her home in Knoxville.

Woman customer in bank: "I would like to make a loan."

Teller: "You'll have to see the loan arranger."

Woman: "Who?"

Teller: "The loan arranger."

Woman: "Oh, you mean the one who says, 'Hi-ho, Silver'?"

CAGERS OPEN SECOND HALF TOMORROW

SPORTS NEWS

Calutrons, Guards Vie For First Half Honors

The Calutrons and Guards were slated to tangle last night determining the first half winners in the plant basketball league. Both teams were tied for first place in the loop with eight wins and one defeat before they met last night. Second half play begins tomorrow night at Scarboro gymnasium at 6:30 o'clock.

The Isotopes captured third place as a result of last week's games, followed by the Sure Shots, Rough House Five and Bldg. 9212.

Close Games Are Staged
All games played in the plant league last week were exceptionally close and exhibited better teamwork. It is apparent that the second half winners will not be forecast by rabid sports enthusiasts since any of the teams are capable of capturing the championship.

The Guards topped the Sure Shots 25 to 22 on January 10 after the Sure Shots had led most of the way and had the Guards down by five points with two and half minutes left to play. The Guards triumphed again on January 12 against Bldg. 9212 to the tune of 32 to 13.

Isotopes Get One-Point Win
The Isotopes barely eeked out a win over the Rough House Five on January 10 with a 29 to 28 final tally and topped the Calutrons by one point, 26 to 25 last Wednesday night.

The Sure Shots took the Rough House Five 24 to 22 in another close one on January 12. The Calutrons trounced Bldg. 9212 on January 10 with a walloping 42 to 28 score.

Plant league schedule through next Monday follows:

Wednesday, January 19-6:30 p. m. Guards vs. Isotopes; 7:30 p. m. Calutrons vs. Rough House Five; 8:30 p. m. Bldg. 9212 vs. Sure Shots.
Monday, January 24-6:30 p. m. Calutrons vs. Sure Shots; 7:30 p. m. Isotopes vs. Bldg. 9212; 8:30 p. m. Guards vs. Rough House Five

Brown And Rose Lead Robins Cage Scoring

Last week's basketball play in the Oak Ridge City Women's League gave the Y-12 Robins two victories and one defeat at the hands of K-25.

The Robins topped the West Turnpike lassies 30 to 16 on January 7 only to lose to them last Wednesday night 21 to 23. The other win netted by the Robins was against the Oak Ridge National Laboratory sextet. The plant lassies took that one 18 to 14.

Roane-Anderson Leads Loop

Roane-Anderson is leading the loop with four wins and one loss followed by the Y-12ers in second place with three wins and two defeats. K-25 held first place and Oak Ridge National Lab trailed the field as of January 13.

Helen Brown is leading the Robins in scoring this season. The swift Y-12 forward sunk 11 points against K-25 on January 7 and eight points against them last Wednesday night. She accounted for five points against the Lab girls.

Frankie Rose is the second highest scorer for the Robins. She made seven points against K-25 both games.

Practice Session Set Tonight

A practice session has been called by Coach Bill Davis after the defeat by K-25. The session will be tonight at 8 o'clock at the Fairview gymnasium.

The Robins were slated to meet Roane-Anderson last night, and they will tangle with ORNL tomorrow at 8 p. m. at the new Jefferson gymnasium.

Y-12 Cuemen Fall To Bottom Of Ridge Loop

Varsity cuemen in Y-12 have fallen to the bottom of the loop standing in the Oak Ridge Pocket Billiard League after winning the first half play before Christmas.

Their downfall came at the hands of the Roane-Anderson sharks who pocketed four points from the Y-12 men in last week's play. The Y-12ers emerged with two points to their credit from the table encounter.

Roane-Anderson now leads the city loop followed by Oak Ridge National Laboratory, K-25 and Y-12.

Y-12 was slated to meet K-25 last Sunday night. The January 23 schedule pits Y-12 against the Oak Ridge National Laboratory five at the Midtown Sport Center with game time set at 7:15 p. m.

Red Wiest and Bill Walker were victorious in their cue engagements against the Roane-Anderson quintet, and C. L. Stevens faltered by one point to lose a heart-breaker. W. B. Motley and H. M. Burnett were the Y-12 players who also were on the losing end.

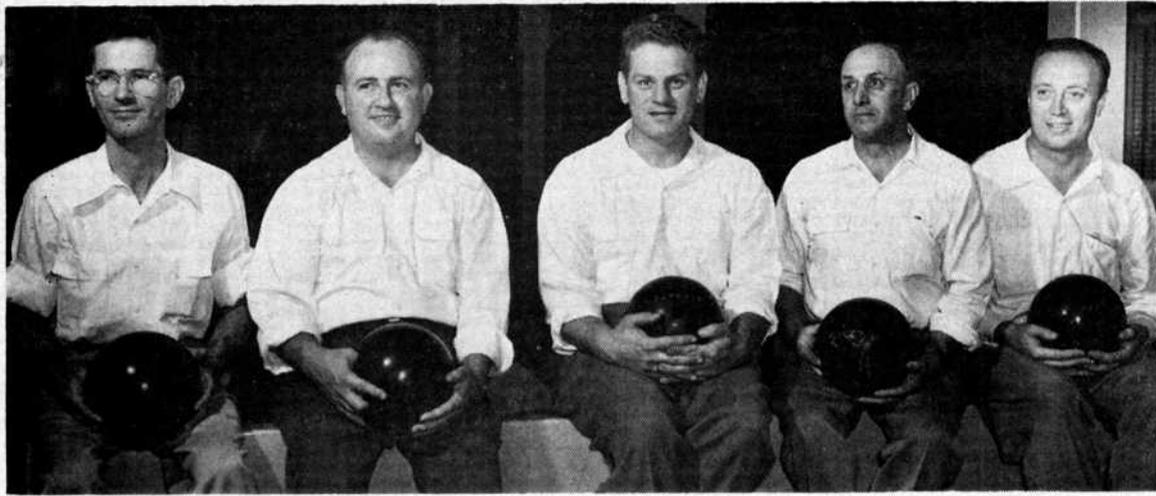
Roane-Anderson tallied 352 points for the total score while the Y-12ers were only 10 points behind with 342 points.

Individual scores follow between the Y-12ers and Roane-Anderson with Y-12ers' scores listed first: Weist 75, Moore 71; Walker 75, Soard 56; Motley 58, Frye 75; Burnett 60, Tallent 75; Stevens 74, McFall 75.

Varsity Badminton Team Loses To ORNL Swatters

The Y-12 varsity badminton team dropped eight points to the Oak Ridge National Laboratory group last Thursday night yet continued to hold their second place standing in the Oak Ridge City League.

K-25 topped the Fairchild club by nine points to stay in third place in the loop.



Y-12 Photos By Vince Moore

KEGLERS REPRESENTING Y-12 IN THE OAK RIDGE CITY BOWLING LEAGUE ARE shown above just before going into action last week to maintain their third place position in the rugged city loop. Shown from left to right are Rudy Pletz, Nelson Tibbatts, Nick ZaBenco, Ernie Cobble and H. D. Duncan. Bruce Whittaker, an alternating team member, was absent when the above picture was made.

K-25 Pinmen Beaten By Varsity Keglers

The Y-12 varsity keglers were still holding third place in the Oak Ridge City Bowling Loop as of January 16 after thumping the West Turnpike pinmen from K-25 on January 10.

K-25 Wins On Recount

Three points were taken from the K-25 toppers by the Y-12ers, and the one remaining point in the series went to K-25 on the second game, in which they eeked out a victory over the Y-12ers by one point. At the end of the play in the second round of the series, it was believed that the two teams had tied each other for the final score. A recount was taken and K-25 emerged victorious by the winning point.

A five-way tie developed in the league from the January 10 play for fifth place with Roane-Anderson, Wholesale Grocers, Oak Ridge National Laboratory, S. & B. and K-25 all having a share in the position.

Allards still leads the league, followed by Marot Jewelers in second place, and Fairchild continues to bring up the rear.

The Y-12 men amassed 2,488 pins in the series against K-25's 2,442. The three Y-12 scores were 870, 834 and 784. K-25's scores were 830, 835 and 777.

Nelson Tibbatts was again the high point man for Y-12 with 538 pins for the three-game total. Other Y-12 team members and their scores follow: Nick ZaBenco 526, Rudy Pletz 489, Ernie Cobble 465 and Bruce Whittaker 470.

Played Monroe Last Night

Monroe, in sixth place in the league, engaged the Y-12ers last night in regular play. The results of that match will be announced in next week's issue of The Y-12 Bulletin.

League standing follows:

Team	W	L	Team	W	L
Allards	18	2	W. Grocers	9	11
Marot	14	6	K-25	9	11
Y-12	14	6	ORNL	9	11
Addressograph	10	10	S & B	9	11
Clinch R.	10	10	Monroe	8	12
R-A	9	11	Fairchild	2	18

Bennett And Ferrell Lead W League Bowling Scores

The W League opened the second half play last Thursday night with three teams tied for first place in the loop. They are the Wholly Rollers, Hi Balls and the Kempes.

The Wholly Rollers took two points from the Beta Pick-Ups, the Hi Balls nabbed two from the Comptrollers and the Kempes tripped the Dodgers for two.

Bennett, of the Wholly Rollers, took the singles handicap high and Ferrell, of the Beta Pick-Ups, won the series handicap high.

The Wholly Rollers captured both team high honors in the handicap classes, rolling 2,257 in the series and 801 in the singles.

The midget died, so his friends went out and ordered a short bier.

Standings In Plant Bowling League

B LEAGUE					
Team	W	L	Team	W	L
One-91	13	3	Head Pins	8	8
Woodpeckers	12	3	Wolves	7	9
All Stars	12	4	Comets	5	11
Rippers	11	5	Bums	5	11
Maintenance	9	7	Mules	5	11
Cubs	8	8	A12M	1	15

C LEAGUE					
Team	W	L	Team	W	L
Thin Pins	16	4	Materializers	9	11
Bldg. 9206	12	8	Hooks	9	11
Orphans	12	8	Moles	7	13
Guards	9	11	Knucklebusters	7	13

D LEAGUE					
Team	W	L	Team	W	L
Scotties	4	0	Pinbusters	2	2
Overheads	4	0	Splinters	2	2
Termites	2	2	Strikers	0	4
Woodchoppers	2	2	Old Men	0	4

H12L LEAGUE					
Team	W	L	Team	W	L
Apple Knockers	4	4	Beetle Baums	4	4
Jim Crows	4	4	Cherry Pickers	4	4

W LEAGUE					
Team	W	L	Team	W	L
Wholly Rollers	2	1	Beta Pick-Ups	1	2
Hi Balls	2	1	Comptrollers	1	2
Kempes	2	1	Dodgers	1	2

Freels And Pruitt Break C Loop Records

W. A. Freels, of the Thin Pins, and Lee Pruitt, of Bldg. 9206, rolled 263 in the individual handicap singles class to tally the highest scores in the C Bowling League for the season and also high for all Y-12 leagues.

Freels also netted high for the league and all plant loops in the series handicap class for individuals with 685 pins. His 232 single scratch game was league high for the night and another high for the night's play was taken by Freels in the scratch series with 592 pins.

The C loop knotted itself in a tie for all positions after last Tuesday night's play with the exception of first place, which is held by the Thin Pins. The leaders captured three points from the Guards while the Knucklebusters did likewise to the Orphans.

The Hooks blanked the Moles and the remaining teams split their points. Splitting were Bldg. 9206 with the Materializers.

The Thin Pins and Knucklebusters topped the team high scores in the handicap classes. The Thin Pins took the singles high with 1,029 pins and the Knucklebusters walked off with the series high with 2,871 pins.

Varsity Keglerettes Win Over Municipal Market

The varsity keglerettes captured two points from the Municipal Market quintet last Thursday night and held onto their third place standing in the Oak Ridge City Women's League.

However this week, three other teams share the same position with Y-12 with 29 wins and 22 defeats.

Inez Reece led the Y-12ers in their battle against the Market pinwomen. She rolled 443 for high Y-12 scorer. Evelyn Jago, a Y-12 substitute, topped 440 pins for second high score. Other Y-12 players and their scores follow: Margaret O'Neil 391, Nancy Doane 359, and Katherine Jenkins 354.

The Y-12ers will engage the league leaders next Thursday night. League standing follows:

Team	W	L	Team	W	L
Tulip Town	37	14	Muny Market	26	25
Norris C.	33	18	Knox B. P.	22	29
Y-12	29	22	R-A	22	29
Marot	29	22	Fairchild	17	34
ORNL	29	22	Merchants	17	34
K-25	29	22	Sure Shots	16	35

The Tennessee mountaineer up and got married. He built his new bride a cabin, and when it was completed, he fetched her to come and give it the once-over.

"Wal," said the hill-billy, surveying his labors with pride, "how d'ya like yer new home, woman?"

"Not bad, husband, not bad at all," she replied, "but I don't see no door."

He looked at her in amazement. "Door?" he demanded. "Yew a-plannin' on a-go in somewheres?"

Caldwell And ZaBenco Top Individual Scores

Nick ZaBenco and Caldwell were the recipients of high scoring honors in D Bowling League play last Wednesday as the loop opened its third round of play.

ZaBenco rolled 586 for top scratch series individual score and 661 for high handicap series. Caldwell, of the Splinters, rolled 212 for high single game and 244 for high single handicap game. ZaBenco bowls with the Pinbusters.

The Scotties and Overheads tied the loop standing for first place by blanking their opponents, the Strikers and Old Men, respectively.

Three high team honors were captured by the Termites. They amassed 839 pins for high team singles game, 2,471 for high scratch series and 3,014 for high handicap series.

The Pinbusters took the remaining team honor in the handicap singles class with 1,023 pins.

APE, First Class, Fired By Navy

A W O L charges against the Navy's only APE, First Class, has resulted in his discharge but the Coast Guard has taken a chance with the culprit and "reenlisted" him.

Throckmorton Percival Kauber Burton was given an "undesirable" discharge by the Navy at Stangley Point, Philippine Islands. However, the Coast Guard station at Talampulan ignored the one black point on his record and signed him up at the old rank.

T.P.K. Burton is a gibbon ape picked up by Naval transport fliers in Burma and returned to the Philippines as a mascot.

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Leaders Hold Positions In Attendance Race

(Continued From Page 1)

perfect attendance were Dept. A13S, Tools; Dept. A12N, Special Facilities, and Dept. M12M, Material Control.

Second place in the Minor League was captured by Dept. A14J, Fire, with .4 per cent of its personnel absent. They were followed by Dept. B12A, Superintendents, with .5 per cent absent for third place.

The complete absenteeism report by departments in Y-12 for the week ending January 9 follows:

MAJOR LEAGUE
More than 50 Employees Scheduled

Dept.	Percentage		Standing	
	Absent	Standing	1-9-49	1-2-49
A20N	0.4	1	1	1
H12E	1.4	2	2	2
A12S	1.71	3	3	3
A16N	1.74	4	4	10
M12P	2.2	5	5	5
B13L	2.3	6	6	9
B12H	2.4	7	7	7
A12G	2.7	8	8	3
A12M	2.78	9	9	4
A14N	2.80	10	10	11
H12L	3.1	11	11	6
H12D	4.2	12	12	12
M15P	4.9	13	13	16
A17N	5.1	14	14	14
A13N	5.2	15	15	13
B12L	5.6	16	16	15

Group absentee percentage was 2.9 per cent, .2 per cent higher than the preceding week.

MINOR LEAGUE
15-49 Employees Scheduled

Dept.	Percentage		Standing	
	Absent	Standing	1-9-49	1-2-49
A13S	0.0	1	1	1
A21N	0.0	1	3	3
M12M	0.0	1	9	9
A14J	0.4	2	5	5
B12A	0.5	3	4	4
A12N	0.85	4	1	1
A12T	0.90	5	9	9
A13T	1.1	6	10	10
M12S	1.3	7	2	2
A15N	1.6	8	1	1
A12A	3.5	9	7	7
A12R	3.6	10	8	8
A12W	4.2	11	6	6
A19N	5.0	12	11	11
A12D	5.3	13	12	12
A13W	10.4	14	13	13

Group absentee percentage was 2.3 per cent, 1.6 per cent lower than the preceding week.

The plant average for the week ending January 9 was 2.8 per cent, .2 per cent lower than the preceding week.

New York Subway Riders Get Coffee

Now that New York subway fares have gone up to a dime—arrangements have been made for travelers in a hurry to get a cup of coffee in a hurry—also for a dime. A recent news story from the metropolis has reported a coffee vending machine recently has been installed in the Rockefeller Center station of the Independent Line which will dispense coffee, with cream and sugar yet, for a dime. The city gets one and one-half cents on each cup sold.

"I have been on this train seven years," proudly said the conductor of a slowly moving train.

Passenger: "It that so? Where did you get on?"

The Paramount Objective is to Assure the Common Defense and Security
... See ATOMIC ENERGY ACT OF 1946

All AEC Clearances Follow Investigations

(Continued From Page 1)

limited area. The "Q" clearance is required of all employees either working in or being required to enter an exclusion area and the temporary "P" clearance must be obtained by all persons assigned to or visiting limited areas.

Carbide and Carbon Chemicals Corporation has sought "Q" clearance for all of its employees. This has been done on the theory that while the work assigned to an employee might be in a limited area there may be times through visits, transfers or possibly visits to other projects where the employee would be in touch with classified data or material and therefore have to be especially cleared for such information.

Temporary Clearance Granted

A new employee may be hired with the objective of being assigned eventually to work of a classified nature or in an exclusion area. While awaiting the "Q" clearance required for this work, the employee may be given the temporary "P" clearance. However, this clearance does not permit entry of the employee into an exclusion area nor access to restricted data. Such employees are issued temporary plant tags for identification, which are subsequently changed to the permanent plant picture badges when the "Q" clearance is granted.

As previously stated, decision is made by the AEC as to clearance to be granted individual employees after the FBI investigations are reviewed. If the FBI investigation shows nothing derogatory to the character of the employee as far as character, loyalty or associations are concerned, the contractors are informed to that effect by the AEC. The information that clearance has been granted then is passed on to the employee by his division superintendent.

Investigations necessarily may take a certain amount of time because the questionnaire requires the employee to show all places lived in for the 15 years before coming to work for the AEC or a commission contractor and all places of employment.

Contractors Given Information

Should the FBI investigation disclose any facts that the AEC feels the contractor should know from a personnel standpoint to be considered in job assignments, transfers or other matters, the requested clearance is granted and a summary of the facts disclosed by the investigation are forwarded to the contractors for their information. This procedure always is handled in a confidential and discreet manner.

Again, should the FBI investigation disclose anything considered of a derogatory nature the AEC may withhold clearance and bring the information to the attention of the contractor. In such cases the AEC requests the contractor to give complete information on the specific classification of the employee in question, his capabilities, whether he is being admitted to exclusion areas or has access to restricted data and the operational circumstances of a possible denial of clearance. After this information is submitted to the AEC further consideration may be given to the granting of clearance and if clearance eventually is granted the em-

ployee is so notified through channels.

Hearings Are Assured

If any derogatory information is obtained through the FBI investigation into the loyalty of any employee, clearance is withheld by the AEC until the commission, through hearings and personal contact with the employee concerned, decides as to whether clearance shall be granted or denied.

Not all of the re-investigations of employees employed in atomic energy projects before the advent of the Atomic Energy Commission have been completed although it may have been months ago since some of these employees have prepared the questionnaires. In the meantime, and until the AEC advises on clearance, such employees are permitted to continue in their work on clearance originally granted by the Manhattan Engineer District.

Clearances granted by the AEC may, in the discretion of the commission, be reinstated if an employee terminates at one of the atomic energy projects under supervision of the commission and seeks employment at another AEC agency within one year.

'WORM' NEARLY GETS BIRD

An early rising bird—stupid thing—got two yards of the wrong kind of worm recently, according to a news dispatch from Australia. The bird, a magpie, was found on its side, gasping. A tug at what looked like a worm protruding from its mouth revealed two yards of stout twine which the bird had almost succeeded in swallowing. After being relieved, the bird got up and flew away.

The way to get ahead is to use the one you have.



CHRISTMAS WE HAVE WITH US YET, IT SEEMS. IN THE Carbide Camera Club print contest held last Tuesday the prize winning picture was "Twas The Night After Christmas," reproduced above. It was entered by Don Ross, Dept. H12E, and the subject was Don's own eldest son, David, 17 months old. He used a Super Iconta B camera with a single flash, 1/100th of a second at f22. The film was developed in Microdel and printed on Velour black silk paper developed in SS-D for two and one-half minutes.



Y-12 Photos By Vince Moore

"—AND THERE SHALL BE MUSIC." SHOWN ABOVE ARE two Y-12 employees and two other members of Y-12 families who will play with the Oak Ridge Symphony Orchestra in its concert Saturday night at the high school auditorium. In the front row are Harry Bainbridge, Dept. B12H, trombone; Patricia Merry, daughter of Joyce Merry, Dept. A12D, oboe; and John Ramsey, Dept. H12D, French horn. In the rear is Joe R. White, son of Joe White, Dept. A12L, at the bass viol. At right is Waldo Cohn, of the Oak Ridge National Laboratory, conductor of the orchestra. Another Y-12 musician in the orchestra not shown in the picture is Harold Green, Dept. H12L. Bainbridge and Ramsey are quite versatile in Y-12 activities, the former being president of the Carbide Camera Club, of which Ramsey also is a member. Ramsey likewise plays with a plant league basketball team.

Symphony Concerts Set Saturday; Y-12 Musicians Active In Group

Alfred Schmied, of the Department of Fine Arts of the University of Tennessee, will be soloist at the second concert of the season by the Oak Ridge Symphony Orchestra at 8:15 o'clock Saturday night, January 22, it has been announced by Waldo Cohn, director of the orchestra. The concert will be given at the Oak Ridge High School auditorium.

Three Y-12ers In Orchestra

Three Y-12 employees and the daughter of another are among the musicians in the Oak Ridge Symphony Orchestra. The employees are John Ramsey, Dept. H12D; Harry Bainbridge, Dept. B12H; and Harold Greene, Dept. H12L. Patricia Merry, daughter of Joyce Merry, Dept. A12D, also is a member of the orchestra.

Alfred Schmied, the soloist, will

be remembered by Oak Ridge music lovers for his appearance with the orchestra last year. He is an accomplished pianist and composer. His principal offering at the Saturday night concert will be the popular Schumann Piano Concerto. He also will play a nocturne of his own composition.

Mozart Symphony On Program

The orchestra will present Mozart's Symphony No. 40 in G Minor and Prokofieff's suite "Lieutenant Kije." The suite was taken from a motion picture of that name.

The concert is the fourth to be presented this season under auspices of the Oak Ridge Civic Music Association in a series to which all ORCMA members have received season tickets. About 150 seats are available for the general public and these tickets may be obtained in advance from the OMCMA, P.O. Box 41, Oak Ridge, or at the box office on the night of the performance.

Carbide Camera Club Plans To Assist New Members

(Continued From Page 1)

ly equipped, monthly meetings with programs that fit your needs, print competitions with criticisms by competent judges and displays of traveling exhibits. All of these will help you visualize a good picture and aid you in translating the idea to paper.

"Your interest and participation will give you a greater enjoyment of your hobby as well as give inspiration to others, many of whom are rank beginners who will appreciate your help and assistance.

Instruction For Beginners

"If you are a beginner and would like to have some individual instruction, please indicate on the application blank sent to you and such sessions will be arranged."

The questionnaire asks prospective members if they prefer programs pertaining to black and white prints or color slides, or both, whether individual instruction in darkroom technique is desired, whether the prospective member would be willing to give instructions to beginners and comments on how the club may best serve its members.

Dues \$1 For Six Months

The letter and questionnaire point out that dues in the club are \$1 for six months, payable on January 1 and July 1. The dues include darkroom fees.

At the club meeting last Tuesday in club headquarters in the Y-12 East Portal the black and white print competition, with the topic being holiday activities, was won by Don Ross, Dept. H12E. John Ramsey, Dept. H12D, took both second and third places in the contest.

Detroit Firm Will Develop Plans For New K-29 Plant

Detailed plans for the \$70,000,000 addition to the Carbide and Carbon Chemicals Corporation K-25 plant in Oak Ridge will be developed by the architect-engineer firm of Giffels and Vallet, Inc., of Detroit Mich., it has been announced by the Atomic Energy Commission. The Detroit firm will begin work at once on the plans with the major part of the work being done in Detroit with some engineering personnel being assigned to Oak Ridge to collect necessary design data.

The contract with Giffels and Vallet, Inc., does not include actual construction of the new facility, to be known as K-29. However, the AEC has announced that negotiations are nearing on a construction contract with work expected to begin in about six months. The construction work is expected to take about two years with the expansion program involving employment of at least 3,500 construction personnel when work is finally started.

R. H. McCulloh, at present chief of the engineering division of the Oak Ridge Office of Operations of the AEC, has been designated as project engineer for the new design and construction program.

CONSERVATION URGED

A news dispatch from London quotes J. D. Bernal, British scientist, as saying 2,000,000,000 acres of land, less than half the area now under cultivation, could produce enough food for everyone on earth if proper agricultural methods were used.