

THE Y-12 BULLETIN

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

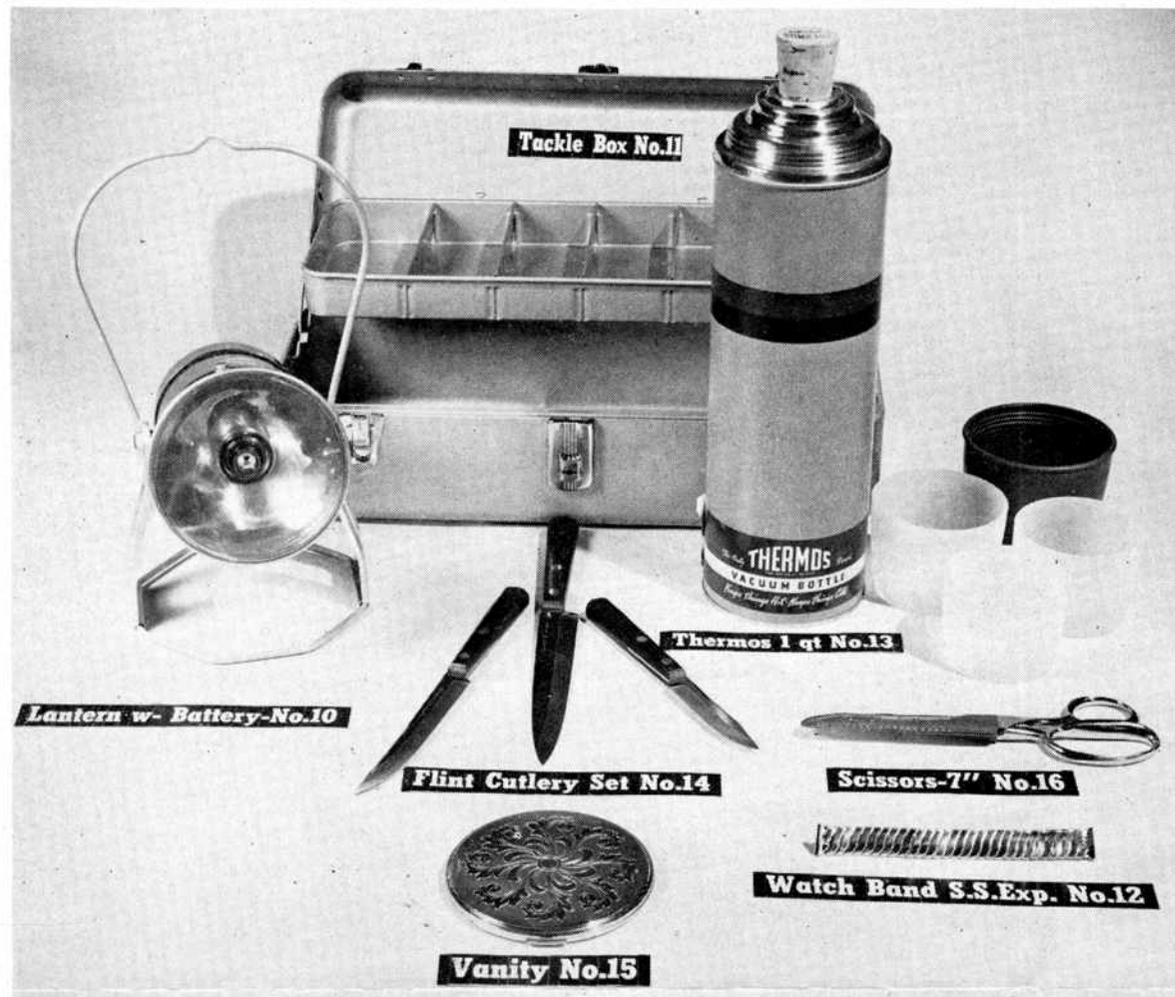
Union Carbide And Carbon Corporation

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OAK RIDGE, TENNESSEE

Wednesday, February 8, 1950



SHOWN ABOVE ARE THE SAFETY AWARDS FROM WHICH ELIGIBLE Y-12 EMPLOYEES may make their choice during the next few days when selection cards will be distributed throughout the plant.

Eligible Y-12ers Now Selecting Awards For Helping Plant Set Safety Record For Second Time

For the second straight year eligible employees in Y-12 soon will receive handsome individual awards for helping the plant establish another 1,500,000 man-hour period without a disabling accident. The latest such period was completed December 6, 1949, and the accident-free mark is continuing with 229 days of safe operations having been posted through Sunday.

The individual awards are presented by Carbide and Carbon Chemicals Division, Union Carbide and Carbon Corporation, to employees of each of their units whenever such a safety record is achieved. Employees of Y-12 first posted this mark December 22, 1948, after which the first round of individual awards was distributed. In addition, the plant received a bronze plaque from the Company in recognition of the record that now is on display at the North Portal. It proclaims that Y-12 employees worked from August 24, 1948, to April 25, 1949, without a disabling accident.

Description Of Y-12 Safety Awards

Here are brief descriptions of the safety awards from which eligible Y-12ers may make their selections. Employees are asked to make a first and second choice of award and also to designate the articles desired by number shown on the accompanying photograph.

No. 10—Lantern with battery—Mounted on an aluminum finished frame, this lantern is suitable for fishing trips, camps, farms, and many other purposes. It can be hung up or placed erect on a table or stand. It is 11 inches tall when standing as shown in the picture and comes with a long-life battery that can be replaced at small cost.

No. 11—Tackle box—This sturdy metal box with a gray finish will make its owner the envy of many fishermen. There are six compartments in the top tray, which folds into the box when top is closed. It is equipped with lock and key and latches and has a handle on top. It is 15 inches long, six inches wide and five inches high when closed.

No. 12—Watch band—This band is suitable for men or women and is an expansion band made of stainless steel.

No. 13—Thermos bottle—This Thermos bottle has a one quart capacity and comes with regular cup top and three plastic, unbreakable cups inside. It is handsomely finished in tan, red and black.

No. 14—Cutlery set—This set consists of three vanadium steel knives for kitchen use. The knife blades are six, five and three inches long, respectively, and each has a hardwood handle.

No. 15—Vanity—This handsome vanity is gold plated and four inches in diameter. It has a puff, mirror and sack in which to place the vanity when not in use.

No. 16—Scissors—These scissors are of fine steel and seven inches long. They come in a leather guard.

As a result of the latest accident-free period of 1,500,000 man-hours the Company will award employees of Y-12 a service bar to attach to the plaque. This bar will bear the date of June 1, 1949, as the date of beginning of the latest accident-free period in Y-12 with the closing date left blank to be filled in at such time a disabling accident occurs.

Selection Cards Being Distributed
Representatives of the Y-12 Safety Department now are distributing selection cards to every eligible employee in the plant. On these cards the employees will be asked to make their first and second choice of awards, designating the awards by number as well as name. The cards must be signed by the eligible employee, giving badge number and department number.

Before making a final selection every Y-12er eligible for an award will be given an opportunity to inspect the seven articles from which to make their choice. The seven articles from which the final selection will be made will be distributed (Continued on Page 2)

Use Of Atomic Power Topic Of Cisler February 15 Talk

Walker Lee Cisler, executive vice president of the Detroit Edison Co., and a member of President Harry Truman's advisory committee on atomic energy, will speak in Oak Ridge at 8 o'clock next Wednesday night, February 15. His appearance will be sponsored by the Oak Ridge Sub-Section of the American Society of Mechanical Engineers at the Pine Valley School auditorium on New York Ave. The meeting is open to the public.

The topic of Cisler's address will be "Use Of Atomic Power In Future Power Development." He also will describe his observations on power developments in Europe made while a member of an inspection committee of the ECA.

New Identification Badges To Be Issued

New identification badges for all Y-12 personnel now are being prepared and distribution to all employees will begin on next Monday, February 13. Distribution will be made through Supervision, as usual.

These new badges differ from the present identification symbols in that the words "Carbide and Carbon Chemicals Division" and "Y-12" will appear at the top, printed in blue letters with a white background.

The present area designations will be continued. That is a red stripe at the bottom will indicate that the wearer is authorized to enter Area I. A plain badge will indicate wearers are eligible to entrance into Area III.

Effective at 6 o'clock Wednesday morning, March 1, the old type badge will become void and will not be valid for admittance into the Y-12 area or the Oak Ridge Controlled Area.

Supervisors are requested to see that their employees have the proper type badges prior to March 1.

Discussion Of Cyclotrons Topic Of Seminar Session

Dr. R. S. Livingston, of the Y-12 Electromagnetic Research Laboratory, will speak on the topic "A Discussion of Cyclotrons," at the weekly meeting of the Oak Ridge Physics Seminar at 4 o'clock Friday afternoon, February 10, in the East Lounge of the Ridge Recreation Hall.

All Y-12 scientists interested in the subject are invited to attend the seminar session.



ONE GROUP OF MEMBERS OF THE PLANT SAFETY Award Selection Committee is shown above making a final selection of articles from which all eligible Y-12ers will take their pick as a safety award for helping the plant establish its superlative safety record. From left are W. E. Honeycutt, Virginia Hill, William Luke-man, C. E. Gillihan, Jeannie Brownfield, Fred J. Hawk and Doris Moore.



HERE IS SHOWN ANOTHER GROUP OF THE PLANT Safety Award Selection Committee viewing the safety award selections. From left are Nelson Tibbatts, C. D. Susano, Frances Smith, Lee Bagwell, Emma Russell, D. E. Ferguson and E. E. Kennedy.

SAFETY SCOREBOARD

Your Plant Has
Operated
229 DAYS
Without A Lost Time
Accident
THROUGH FEB. 5

Y-12 Bulletin

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New Bus Route No. 11 Serving Woodland Area

Employees of Y-12 now living in the new Woodland section of Oak Ridge will be given improved bus service this week, it has been announced by American Industrial Transit.

Since January 1 hourly service has been given through the Woodland area by the Route 20 busses to Y-12. The new service is operating on a 30-minute schedule and is known as Route 11. The new route follows:

From Jackson Square right on Central Ave., right on Oak Ridge Turnpike, left on Bus Terminal Road through Central Terminal, thence via Oak Ridge Turnpike to Lafayette Drive, to Marquette Road, to Manhattan Ave., to West Gettysburg Ave., to Northwestern Ave., to South Purdue Ave., to Quincy Ave., to Queens Road, to Pembroke Road, to South Purdue Ave., cross Manhattan Ave., and continue north on North Purdue Ave., to Parsons Road, to Newberry Circle, to Northwestern Ave., to North Purdue Ave., to Manhattan Ave., to Marquette Road to Lafayette Drive to Oak Ridge Turnpike, to Central Terminal and then by Oak Ridge Turnpike to Tyler Road to West Tennessee Ave., to Jackson Square.

The Route 20 path now is from Central Terminal via Oak Ridge Turnpike to Lafayette Drive, to West Gettysburg Ave., to Manhattan Ave., to Scarboro Road and then to Y-12.

Signs will mark all bus stops on both routes in the new Woodland area.

Another Varied Program Set By Ridge Listening Group

Another varied program will be presented by the Oak Ridge Music Listening Group at 8 o'clock Thursday night, February 9, in the East Lounge of the Ridge Recreation Hall.

Featured will be the Concerto No. 4, E Flat Major, for horn and orchestra, by Mozart; Suite in A Minor, for flute and strings, by Tellemann; Eine Kleine Nachtmusik, by Mozart; and the Concerto in A Major for clarinet and orchestra by Reginald Kell.

The public is cordially invited to these concerts, admission to which is free. Refreshments are served during intermission.

New Gamble Valley Housing Is Ready

The first duplex housing units in the Gamble Valley vicinity now are being assigned for occupancy, it has been announced by the Atomic Energy Commission. These units, all of frame construction, have two bedrooms each and will be rented for \$38.25 per month, which will include fuel charge of \$4.75. A flat water charge of \$1.25 per month will be made in addition to the rental fee and electricity will also be extra according to amount used, which will be metered. The electric and water bills will be submitted at the same time to tenants.

There are 286 of the new duplex units in the Gamble Valley area and about 20 will be ready for assignment each week.

Y-12ers Now Selecting New Safety Awards

(Continued from Page 1)
tion of one may be made were picked by the plant Safety Award Selection Committee, composed of one man and one woman employee from each division and the division coordinators.

Selected From 40 Articles
The seven selections were made by the committee from an assortment of about 40 articles and the committee was forced into considerable deliberation before making its final choice. The monetary value of each of the final selections varies but a few cents, it is pointed out, and the committee's choices were made with the objective of providing as great a variety of awards as possible.

Members of the Safety Award Selection Committee this year included W. E. Honeycutt, Guard Department, and Doris Moore, of the Employment Department, Industrial Relations Division; Fred J. Hawk, Product Chemical, and Virginia Hill, Assay Laboratory, Chemical Division; William Luke-man, Technical Service Laboratory, and Jeannie Brownfield, Electromagnetic Research Laboratory, Research Division; D. E. Ferguson, Stores, and Frances Smith, Property, Manufacturing Offices Division; E. E. Kennedy, Maintenance Shops, and Emma Russell, Planning and Estimating, Maintenance Division. The coordinators who were members of the committee include W. S. Herron, Chemical; Lee Bagwell, Industrial Relations; C. D. Susano, Research; G. E. Gillihan, Manufacturing Offices; and Nelson Tibbatts, Maintenance.

Reflects Credit On Employees
During the period from August 24, 1948, to April 25, 1949, employees of Y-12 worked approximately 2,850,000 man-hours without a disabling injury over a period of 246 days. This 2,850,000 man-hour period is the next immediate objective of the plant with the ultimate aim, of course, being an indefinite string of accident-free hours of operation that will reflect most favorably on the ability and "know-how" of Y-12ers to work safely as well as on the plant itself. At the end of last year, December 31, 1949, Y-12ers had accumulated 1,733,120 accident-free hours of operation.

Chemical Engineers In Y-12 Invited To Smoker Monday

All chemical engineers in Y-12 have been extended an invitation to attend a smoker to be given at 7:30 o'clock Monday night, February 13, in the Oak Terrace. The affair is being sponsored by the Oak Ridge Section of the American Institute of Chemical Engineers and attendance of both members and non-members is urged.

Announcements will be made concerning a program for the local group for 1950 that tentatively include one general meeting each month during the spring and fall months and a series of chemical engineering seminars.

A technicolor-sound moving picture entitled "Air, Water and Industry" will be shown at the smoker.

Scouts Plan Skating Party; Y-12er Directs Troop No. 325

Members of Oak Ridge Boy Scout Troop No. 325 have planned an elaborate and interesting roller skating party and program starting at 7 o'clock Thursday night, February 9, at the Oak Ridge rink. C. F. Harrison, of the Y-12 Isotope Research and Production Department, is scout master of the troop, which is sponsored by Veterans of Foreign Wars Post, No. 6,351.

The program will include contests and races in addition to allowing plenty of time for all present to skate if they desire. Proceeds from this affair will be used to send a scout from Troop 325 to the national scouting jamboree at Valley Forge, Pa., during the coming summer.

One person out of every 175,000 is struck by lightning.

Print Contest, Fine Arts Talk Set For Camera Club Meeting

Deadline for entering black and white table top photographic prints in the February 14 contest of the Carbide Camera Club has been set for Friday, February 10, according to Harry Bainbridge, of Y-12, past president of the club and member of the membership and publicity committee of the organization. The prints should be left at the home of S. A. Hluchan, 108 Darwin Lane, of the Oak Ridge National Laboratory, vice president of the club and program chairman.



The many friends of Carl A. Cooper throughout Y-12 join his close associates in Wage Standards in extending sympathy over the recent death of his wife, Mrs. Ker-ner Wendler Cooper, in the Oak Ridge Hospital Tuesday, January 31. She had been ill for several months. Funeral services and interment were held last Thursday in Nashville. Survivors are her husband, a son, C. A. Cooper, Jr., of Oak Ridge National Laboratory; and two grand-children.

Helen Brown, of the Plant Records Office, had her brother, Bill Hall, of Murfreesboro, Tenn., as a week-end guest recently.

The Medical Department reports that Virginia Smith motored to Kingsport over the last January week end with the Cobbles, Lillie and Earnest, of the Building and Grounds Department. . . . Virginia visited her sister and the Cobbles visited his daughter during the visit to East Tennessee.

The nation is observing Boy Scout Week in which the 40th anniversary of the founding of the organization is celebrated. Many Y-12ers are parents of sons belonging to the Boy Scouts and no doubt will take an active part in any Oak Ridge program recognizing the good work of the youngsters and their leaders. Some Y-12ers hold posts of scout masters to assist in the valuable training given the Scouts.

Members of the Guard Department and other friends of T. J. Bush in Y-12 extend sympathy over the death of his mother, Mrs. Taylor Bush, in Benton, Tenn., February 1.

The Employee Relations Department has extended get well wishes to Mozelle Kennedy and Opal Griffin, both of whom have been on the sick list for several days.

Field Maintenance has a whole host of folks on the sick list, including W. Cook; N. L. Derryberry, E. O. Bradley, W. C. Laughlin, E. W. Palmer and Morris Bailis. . . . The department hopes they all get well quick.

Moving over to Maintenance Utilities it is learned with regret that J. H. Humphreys still is on the sick list.

J. J. Calloway, of Standby Maintenance is vacationing and taking it easy right at home.

E. L. Zimmerman is welcomed back into the Isotope Research and Production Department. . . . Leon Love and his wife, Catherine Love, of the Analytical Laboratory, spent a recent week end with John Starks in Elizabethton, Tenn. . . .

Dr. C. P. Keim, superintendent of the department; and Paul Dunn were in New York last week attending a meeting of the American Physical Society. . . . The Carl Fraziers gave a birthday party for Joe Walton on January 28. . . . There were 12 guests present but the number of candles on the cake were not mentioned.

The Cafeteria and Canteens Department extends sympathy to Mayme Watt over the recent death of her father.

Capt. F. L. Remine, of the Y-12 Department and leader of the Y-12 first aid team that took first honors in the Carbide competition last autumn, is on the sick list.

C. E. Evans and family went over to Nashville over the January 28 week end to visit their son and attend the Grand Ol' Opry.

J. W. Garland, of Receiving and Shipping, and family went on the road with the Oak Ridge High School basketball team in their recent invasion of East Tennessee, the principal reason being that Garland's son is a member of the Wildcat squad. . . . The Garlands saw the Oak Ridgers play Happy Valley and the Science Hill High

The table top photography contest will be the feature of the monthly meeting of the Carbide Camera Club starting at 7:30 o'clock next Tuesday night in club headquarters in the Y-12 East Portal. The membership committee has been active since its formation last month and expects to have a large attendance of both old and new members of the club.

Lecture By Grossman Set

In addition to the photographic contest the club members will hear a lecture by Irwin Grossman, art teacher from the Oak Ridge High School. His topic will be "Lessons In Photographic Composition From The Fine Arts." The talk will be illustrated by opaque projections and other material.

The judges of the table top photography will be Amos C. Trotter and Mrs. Trotter. He is a general science teacher at the Oak Ridge High School and former member of the Shutterbug Club of amateur photographers in Knoxville.

Program To Be Submitted

Hluchan has been canvassing club members for the past several weeks on their desires for the 1950 club program. He has received a number of replies and is expected to submit his recommendations at the meeting next Tuesday together with rules for the monthly contests held by the club.

Bainbridge has requested any Y-12 employee who is interested in photography and who wishes to join the Carbide Camera Club to communicate with him at telephone 7043. Membership fees in the club are \$2 annually, payable January 1 and July 1.

West Portal Closed; New Entrance Opened

Effective at 6 o'clock Wednesday morning, February 8, use of the West Portal for pedestrian traffic into Y-12 was discontinued. At the same time a new pedestrian portal was opened in the vicinity of the existing Area V badge exchange portal. This new pedestrian portal will be open 24 hours per day, seven days per week.

The schedules for use of the remaining portals into the Y-12 plant area remain unchanged. The North Portal is open to pedestrian and vehicular traffic at all times. The East Portal is open to pedestrians only from 7:30 a.m. to 8:20 a.m. and 4:30 p.m. to 5 p.m. Monday through Friday of each week.

COLLEGE RESEARCH SET

A statement from the Hanford Operations Office of the Atomic Energy Commission discloses that the AEC is spending more than \$250,000 at five northwestern colleges and universities for atomic research.

School at Johnson City. . . . The Garland caravan also visited Kingsport during their tour. . . . Paul Snodgrass spent a recent week end with his mother in Johnson City.

The Assay Laboratory reports that Ozell Pass, Eula Hayes and Agnes Johnson joined forces on a recent week-end trip to Nashville.

W. T. Hays, of the Y-12 Security Office, has been receiving a lot of get well wishes since being ill of an acute sinusitis infection.

Oradean Upchurch, of Uranium Control and Computing, spent the past week end at Forbus, Tenn.

A contemporary columnist in a Knoxville paper last week offered up as a delicious dish—(ooh—several sticks of licorice on a dish of boiled cabbage. "They blend perfectly," he says.) How about ground art-gum in egg-nog, or garlic in chocolate malted milks?

Four Departments Report All Present

Only four Y-12 departments, all in the Minor League, reported perfect attendance records for the week ending January 29 and the plant-wide absentee average rose .1 per cent to 2.9 per cent for the week.

Three Departments Are Repeaters

Of these four departments, three were repeaters from the previous week. They were Receiving and Shipping, Transportation and Janitors. The other department reporting all present for the week ending January 29 was Manufacturing Offices, which was in fourth place the preceding week.

The Superintendents Department, in second place the week ending January 22, held that position for the second straight week, reporting .6 per cent of its personnel absent for the last reporting period. In third place with an absentee record of .8 per cent was Cafeteria and Canteens, which was in a first-place tie the preceding week.

Major League Lead Shuffled

The lead in the Major League was reshuffled for the week ending January 29. In first place, advancing from third, was Chemical Research with 1.2 per cent of its personnel absent. Advancing from ninth place to second was the Guard Department with an absentee record of 1.7 per cent. Third place was taken over by employees of the Electromagnetic Research Laboratory with an absentee mark of 1.9 per cent.

The Y-12 plant-wide absentee figures for the week ending January 29, by departments, follows:

| MAJOR LEAGUE | | | |
|--------------|-------------------|---------|----------|
| Dept. | Percentage Absent | 1-29-50 | Standing |
| 2300 | 1.2 | 1 | 3 |
| 2091 | 1.7 | 2 | 9 |
| 2320 | 1.9 | 3 | 6 |
| 2015 | 2.09 | 4 | 2 |
| 2282 | 2.09 | 4 | 12 |
| 2360 | 2.3 | 5 | 4 |
| 2616 | 2.6 | 6 | 5 |
| 2077 | 2.8 | 7 | 7 |
| 2619 | 3.2 | 8 | 1 |
| 2288 | 3.9 | 9 | 11 |
| 2003 | 4.8 | 10 | 8 |
| 2014 | 4.9 | 11 | 10 |
| 2142 | 7.6 | 12 | 13 |

Group absentee percentage was 3.0 per cent, .3 per cent higher than the preceding week.

| MINOR LEAGUE | | | |
|--------------|-------------------|---------|---------|
| Dept. | Percentage Absent | 1-29-50 | 1-22-50 |
| 2143 | 0.0 | 1 | 1 |
| 2008 | 0.0 | 1 | 1 |
| 2001 | 0.0 | 1 | 1 |
| 2133 | 0.0 | 1 | 4 |
| 2200 | 0.6 | 2 | 2 |
| 2107 | 0.8 | 3 | 1 |
| 2739 | 1.4 | 4 | 1 |
| 2002 | 2.10 | 5 | 1 |
| 2270 | 2.10 | 5 | 3 |
| 2743 | 3.5 | 6 | 5 |
| 2060 | 4.4 | 7 | 8 |
| 2005 | 4.5 | 8 | 6 |
| 2109 | 5.3 | 9 | 1 |
| 2140 | 5.6 | 10 | 1 |
| 2009 | 6.66 | 11 | 7 |
| 2696 | 6.66 | 11 | 7 |
| 2090 | 6.66 | 11 | 7 |

Group absentee percentage was 2.6 per cent, .2 per cent lower than the preceding week.

The plant average for the week ending January 29 was 2.9 per cent, .1 per cent higher than the preceding week.

Judge to prisoner at the bar:
"Prisoner at the bar, it has been proved that you entered the building. You tore up a huge safe and lowered it out of the window to the ground. Furthermore, you tore the door of the back entrance to the building off its hinges. What is your answer to that?"

The prisoner shrugged his shoulders. "Well, your honor, I did it in a moment of weakness."

"Hard work never killed anybody, son."

"That's the trouble, Dad. I want something dangerous."



Y-12 patients in the Oak Ridge Hospital last week were Elizabeth S. Buckminster, Electromagnetic Research Laboratory; Norman L. Derryberry, Buildings and Grounds; Cephas Brewer, Steam Plant; and Daisy F. Whitehead, Medical.

Bevy Of Y-12 Bowlers To Bid For Honors In Carbide Meet

A big bevy of bowlers from Y-12 is expected to begin filing entry blanks this week for the Carbide company-wide tournament set for February 25-26 and March 4-5. The forms were distributed last week by officials of the four Y-12 plant bowling leagues and also by the Recreation Office and the deadline for returning the entry blanks, with entrance fees, is at noon Monday, February 13.

Competition in singles, doubles and team play will be included in the tournament. The entrance fee is \$1.20 per person in each event, which includes prize money to be distributed to winners in the various events. A total of 57 trophies will be awarded winners in events for men while 42 will go to women keglers who triumph in the tournament.

Prizes and trophies will be awarded both scratch and handicap winners. Any bowler winning both scratch and handicap trophies will be awarded the scratch trophy, the handicap trophy going to the next highest bowler. Any such double winner, however, is eligible for a cash prize, which is awarded on handicap scores only.

Eligibility Is Described

All Carbide employees who have bowled 15 games to establish a handicap in any league sponsored by the American Bowling Congress is eligible to participate in the company-wide tournament. Wives of Carbide employees are eligible if they are bowling in a Carbide-sponsored league or a Carbide-sponsored team.

Any bowler rolling in a sanctioned league outside of Oak Ridge who wishes to enter the Carbide tournament must get his average certified by the league secretary as of February 4 and submit it with the entry blank.

All bowlers are restricted to one entry in each event and team entries shall be made by team captains. In doubles the entrance blank shall be signed by only one member of the team. To be eligible for all-events prizes, bowlers must participate in all three other events.

In making out a schedule of play, only shift workers will be given preference of date and time of bowling.

Handicaps will be computed on 70 per cent of the difference between the average of the bowler as of February 4 and a 200 score.

May Make Tourney Annual Affair

The Carbide company-wide tournament is the first such event staged in Oak Ridge and is expected to draw a large number of contestants from the three Carbide units here. If the tournament proves successful, it probably will be staged annually.

The men's events will be staged at the Oak Terrace while the women will bowl at Jefferson. The Saturday pin programs will begin at 9 a.m. while the Sunday bowling will begin at 11 a.m. and will continue throughout the day and evening.

Y-12 Varsity Women Set New Record But Lose Two Games

The Y-12 feminine bowlers in the Oak Ridge City League rolled the highest game of the season for the entire league but still could win but one of three games from the Norris Creamery lassies last Thursday night. The Y-12 keglers took the last engagement with their record score of 796 to 747 for the Creamery team but the Norris outfit took the first game by 762 to 708 and the second game by 690 to 651. The Norris total was 2,199 to 2,155 for Y-12.

Katie Williams paced the Y-12ers by putting together games of 145, 132 and 170 for a total of 447. The next three were bunched with Margaret O'Neal having 125, 95, 200 for 420; Olyne Poindexter 142, 131, 146—419; and Oradean Upchurch 166, 121, 128—415. Ruth Law was not far behind with 127, 142, 126—395.

The Oak Ridge National Laboratory keglers have a good working margin in first place with 45 wins and 18 losses. Tulip Town is second with 41 and 22, closely followed by K-25 with 40 to 23. The Y-12 team is third from the bottom of the 12-club league with 21 wins and 42 losses.

Use only approved electric light and other electrical fixtures.

SPORTS NEWS IN Y-12

Y-12ers Meet Clinton, K-25 In Twin Bills, Trico In Single; Cards Wallop Two League Leading Teams; Robins Divide Pair

Athens Cagers Play Y-12 Here February 18; Cards Go To 'Nooga

In addition to their heavy Oak Ridge City League programs, the Y-12 varsity cagers are casting their eyes toward a double header against the Athens basketeers set for 7:30 o'clock Saturday night, February 18, at the new gymnasium of the Jefferson Junior High Scholl. In earlier games at Athens the Robins dropped a tough 23 to 21 decision to the home girls while the Cards had one of their good nights and took a 51 to 39 victory.

The Cardinals will meet one of their strongest foes of the season this coming Saturday night, February 11, when they take the road to tackle the strong Dixie Aces, of Chattanooga, one of the basket-

ball hotbeds of the Southeast. A number of Y-12 fans are expected to accompany the team on the trip. The Aces will play a return game in Oak Ridge at a date to be determined later.

Last Saturday night the Y-12ers took a pair from a pair of invading Morristown teams. The Robins blasted the Morristown lassies by 33 to 21 with Peggy Dickens scoring 12 points and Helen Brown nine. The Cards had a much tougher time of it, barely pulling out in front in the waning minutes of the game to win by 38 to 35. Oliphant dented the nets for 11 points and Oliver got 10.

The Y-12 cagers, both men and women, were very much in the Oak Ridge sports news last week—and will be during the coming week. The Cardinals finally realized their real potentialities last week by soundly spanking the two leading teams in the Oak Ridge Basketball League—K-25 and Trico—while the Robins split even against K-25 and Roane-Anderson. For the coming several days the two Y-12 teams are scheduled to play Clinton in a double-header tonight, Wednesday, February 8, and on next Tuesday, February 14, meet their Carbide cousins from K-25 in another twin-bill. The preceding night, Monday, February 13, the Cards will endeavor to show the league-leading Tricos that the victory scored by the Red and White last Wednesday night was no fluke.

Here is a nutshell report of past and coming events for the Cardinals and Robins in Oak Ridge loop competition.

RESULTS THROUGH FEB. 8
 January 30—Cardinals 36, K-25 29; Robins 21, K-25 20.
 January 31—Roane-Anderson 45, Robins 20.
 February 1—Cardinals 53, Trico 34.

SCHEDULE THROUGH FEB. 14
 Wednesday, February 8—7:15 p.m., Robins vs Clinton. 8:30 p.m., Cardinals vs Clinton.
 Monday, February 13—9:15 p.m., Cardinals vs Trico.
 Tuesday, February 14—8 p.m., Cardinals vs K-25. 9:15 p.m., Robins vs K-25.

The trick of trouncing the first-place Trico quint and K-25 puts the Cardinals back into serious contention in the league and if the Red and White continues to play the same brand of ball they will be contenders the rest of the way in the regular season and in tournament play. So far Trico has lost only to Y-12 and K-25.

Cardinals In Complete Control
 Y-12 had complete control of the Trico tossers last week, edging out a 11 to 10 first-period lead and boosting it to 29 to 15 at the half as the Cardinals defense completely bottled up the opposition. Y-12 increased its lead in the third

KINDLY K-25 KAGER KONTRIBUTES TO KARDS
 A freak play in the Y-12 Cardinals—K-25 Kaggers game last week resulted in the Y-12ers getting two points—free for nothing—in the second quarter of the game. Hale, K-25 guard, leaped high in the air for a rebound for the Y-12 goal—and tipped the sphere right through. The official scorer credited the two points to George Oliphant, who was in the air nearest Hale when the odd event occurred.

quarter to 44 to 17, Trico getting only two charity goals during the period. The Cards eased up somewhat in the last period and allowed Trico to double its previous score by dribbling 17 points through the nets while the victors got 19 themselves.

The offensive stars for Y-12 were George Oliphant with 20 points, Oliver with 11 and Hopper with 10. On defense Dance, for Y-12, held Trico's hot-shot Wolfe to one lonesome field goal and that in the final minutes of play. However, the entire Y-12 squad hawked the ball well and seldom did Trico get more than one shot in succession.

Earlier against K-25, the Cards had somewhat a tougher job and only held a 24 to 23 lead at the three-quarter mark. However, the Red and White poured it on in the last period for 12 points to six. Oliver and Oliphant led the scorers with 12 and eight respectively but again it was team play that brought the victory. Robertson got seven points and Howard six

(Continued on Page 4)

Bumpers Boost Lead In D League Bowling

The Bumpers extended their lead in the B League last Thursday night by beating the Head Pins for three points while the Comets dropped back after being taken for a three-point trimming by the Wolves. The Wolves climbed up a notch in the standings as a result of their victory, as did the All Stars, who walloped the Bums by the same margin of three to one.

All Win By Three Points

In other league alley activities the Tigers mauled Maintenance for three points, the Rippers took a similar win over the Mules and the One-91 keglers had a like margin over the Cubs.

Although his team was trimmed, Arthur Stewart, of the Comets, turned in the best single game of the night with a 213 scratch and 251 handicap effort. Ed Sise, of the Wolves, posted the best handicap series score of 634 while Elmore Koons posted a 554 scratch series for the Rippers.

The Rippers and Wolves shared team scoring honors. The Rippers, which tied for first place in the first round and then lost in a roll off, showed signs of coming out of a slump that has kept them well down in the second round standings. They came through with second round high scores for a scratch single game of 937 and handicap game of 1,069. The Wolves got a 2,548 scratch series and boosted it to 2,932 with handicap.

League standing follows:

| Team | W | L | Team | W | L |
|-----------|----|----|-------------|----|----|
| Bumpers | 29 | 11 | Head Pins | 20 | 20 |
| Comets | 26 | 14 | Cubs | 17 | 23 |
| All Stars | 25 | 15 | Maintenance | 16 | 24 |
| Wolves | 24 | 16 | Rippers | 16 | 24 |
| Mules | 23 | 17 | One-91 | 14 | 26 |
| Tigers | 21 | 19 | Bums | 9 | 31 |

Termites Took Title Last Year In 'D'

The Materializers, current leaders in the D League of plant bowlers, were champions last season of the C League and not the D League. The Termites, now in second place in the D League were title holders in that loop last season and also went on to win the Y-12 championship.

Orphans Blank Moles To Get C League Lead

The Orphans took a big jump in front in the C League bowling activities last Wednesday night by blasting out a four-point white-wash victory over the Moles. Meanwhile, the Hooks, which were tied for first place the previous week, were stung for three big points by the Hornets and dropped down to a tie for second place with the Guards as the boys in blue blasted the Short Circuits for three points. In the other loop engagement the Thin Pins drove up to tie the Hurricanes and Hornets for the next rung on the ladder by blasting the big wind boys for three points.

The Orphans monopolized team scoring honors for the night, romping away with a 776 scratch game boosted to 953 with handicap. In series scores the Orphans posted a 2,287 scratch tally and increased it to 2,820 with handicap.

Despite the fact that his team, the Hooks, took a drubbing, E. B. Galloway took a firm hold on individual scoring feats. His best single scratch game was 201 to top the loop and he boosted it to 235 with handicap. His scratch series of 524 was not only tops for the night but the best of the second round of play. He added his handicap to make it 626 for the handicap series.

League standing follows:

| Team | W | L | Team | W | L |
|------------|----|----|----------------|---|----|
| Orphans | 16 | 4 | Thin Pins | 9 | 11 |
| Hooks | 13 | 7 | Hornets | 9 | 11 |
| Guards | 13 | 7 | Moles | 7 | 13 |
| Hurricanes | 9 | 11 | Short Circuits | 4 | 16 |



6-1095-96
 THE ASCENDING ANGSTROMS OF THE D LEAGUE OF plant bowlers have been steadily gaining in loop play recently after occupying the cellar for most of the season because of illness and absence of key players. In the picture above standing from left are Al Southern, Paul Griffin, Gerry Keilholtz and N. B. Smith. In front are George Werner, Lewis Twitchell and J. Rand McNally, president and treasurer of the league as well as a member of the team.

D League Officers Post Leading Scores

They could have called it "officers' night" in the D League bowling activities January 31 as League President and Treasurer J. Rand McNally and League Secretary Frank Knox showed the way to the rest of the lads in scoring. Knox did most of the damage in rolling for the league-leading Materializers as he turned in a scratch game of 216, scratch series of 600 and handicap series of 696. McNally got into the act with a 252 handicap single game for the Angstroms.

Termites Whitewash Isotopes

The Materializers held their top position by sweeping four points from the Old Men but were closely pursued by the Termites who whitewashed the Isotopes by the same margin. The Angstroms, for some time the floor mat of the loop, turned in the best team performance of the night and their best of the season by whipping the Splinters for three points and ending the night's work in a tie with the Overheads, who smashed the Strikers for four.

A hotly disputed first game between the Materializers and Old Men went to the loop leaders when Fred Boody got two strikes in the 10th frame, making the final score 948 to 942. The Old Men were led by John Schmitt in this dilly as he rolled a 204 scratch game and 481 scratch series. Bill Davis, George Nettle and Keith Brown tried hard to keep the Old Men in the running but could not match the scoring of Boody and Knox.

The Termites kept right in the race with their four-ply victory as Sky Barker and Frank Gragg each got a 521 scratch series and Richard Dew a 476 scratch and 581 handicap series. Bob Lovell rolled a 226 handicap game for the Isotopes in the losing cause. The Termites' 787 scratch game and 2,339 scratch series were tops for the league for the night.

Angstroms Barely Miss

The Angstroms posted the high handicap series score of the night of 2,907 and also the best handicap single game of 1,000 in their triumph. The Angstroms missed a clean sweep by only one pin as the Splinters took their only game by 992 to 991. In addition to McNally's good score, Lewis Twitchell had a 474 scratch and 594 handicap series and Dockie Smith and Ed Spitzer also bowled well.

Elmore Koons and George Liechsenring led the Overheads in their rout of the Splinters. Koons had a 528 scratch series, 612 handicap, while Liechsenring rolled a 477 scratch and 609 handicap series.

League standing follows:

| Team | W | L | Team | W | L |
|---------------|----|---|-----------|---|----|
| Materializers | 12 | 0 | Splinters | 5 | 7 |
| Termites | 10 | 2 | Strikers | 4 | 8 |
| Angstroms | 6 | 6 | Old Men | 3 | 9 |
| Overheads | 6 | 6 | Isotopes | 2 | 10 |

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Cover For Undercover Welding Is 'Unionmelt' Composition Produced By Electromet For Linde

Cover material for undercover welding now is being made at Electro Metallurgical Co. Does that sound like the "bubble gum factory" at Oak Ridge? It's not, however, for instead of trying to fool spies, those words, "cover for undercover welding," really describe one of the jobs done at Niagara Falls.

It's an example of the teamwork that goes on all the time between Electro Metallurgical Co. and other units of Union Carbide and Carbon Corporation. The cover material is the black, gray or greenish salt-like "Unionmelt" composition which Electromet makes for another Union Carbide unit, the Linde Air Products Co. The composition is made by Electromet because it is the only member of the Corporation family that has the necessary electric furnaces.

"Unionmelt" Made By Ton

It is made by the ton at Niagara Falls, yet only a few persons know how it is used. When the composition leaves Electromet's gates, it starts on the way to an important meeting with a "Unionmelt" welding rod. Part of the material melts and covers the weld, keeping out the air, holding in the heat and purifying the metal. As a result, high currents can be used and thicker plates can be joined at greater speeds than is possible with other types of welding. The action takes place quietly without the glare or flash usually made by electric welding.

Process Work Started In 1934

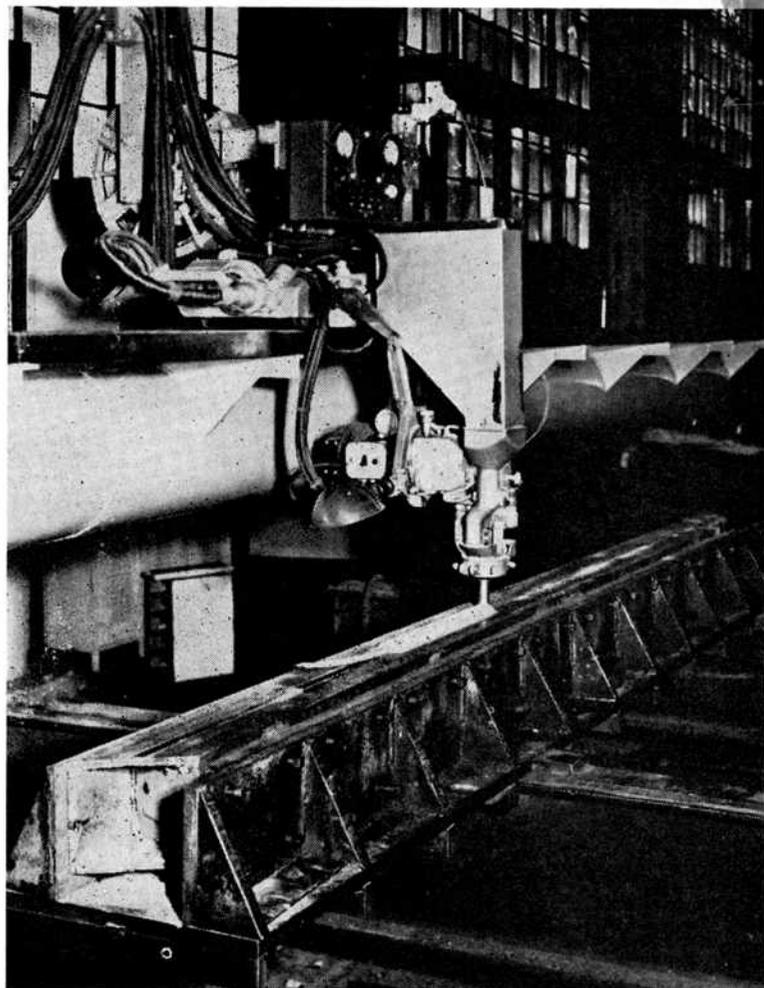
The Linde Air Products Co. started to work with the process in 1934 and since then much development work has been done at the Union Carbide and Carbon research laboratories at Niagara Falls to improve the process and learn how to use it for many purposes. "Unionmelt" welding is used in the building of ships, railroad cars, locomotives, all kinds and sizes of pipe tanks and pressure vessels. It is also used on smaller things such as automobile parts, airplane propellers, small machinery frames, home fuel-oil tanks, and hot water heaters.

The "Unionmelt" material seems to have no more personality than a heap of sand but no heap of sand ever had the loving human care that "Unionmelt" material gets. The composition must have just the right amounts of certain chemicals, and nothing else, in it. Otherwise, the white-hot steel which is protected and bathed by the melted composition would pick up chemicals that might weaken the joint. Whenever a user starts to weld a particular kind of steel or alloy he must choose the right type of composition. Each type is produced from a special mixture of silica, magnesia, alumina, and other minerals that make it right for the particular type of steel being used. After electric furnaces have melted these minerals, the white-hot, slag-like material is tapped and cooled; then crushed, graded, and bagged for shipment. This is the material that makes the "Unionmelt" process so different from the familiar arc welding.

Flexible Welder Is Developed

A new machine, the "Unionmelt" flexible welder, was recently brought out by the Linde Air Products Co. This machine does not have to be mounted on a carriage or have the workpiece carefully positioned and moved under it, as all its predecessors did. The "Unionmelt" composition and the welding rod are fed out at the end of a 20-foot flexible hose. With it, the welder can easily move from one work location to another without having to set up guiding equipment or jigs. It can reach into places where the ordinary equipment could never go. Linde spokesmen say there are plenty of places where it can be used in regular production and for repair and building of special equipment.

Woman in detective agency: "I want my husband and the other woman followed night and day and a complete report on what she sees in him."



TYPICAL EXAMPLES OF THE USE OF "UNIONMELT" composition is shown above. In the top picture the "Unionmelt" machine is welding a box beam for a power shovel. Notice how the fused "Unionmelt" material comes off by itself as it cools. Underneath is a smooth, sound weld. The lower picture shows the "Unionmelt" flexible welder, guided by hand for those hard-to-reach places where welding machines cannot be used. The material is fed through the hose by air pressure.

Woes Continue Winning Ways, Tie Controllers

The Woes team in the W League of plant women bowlers have been causing a lot of woe for other loop members during the past several weeks and finally have climbed into a first place tie with the previously high-riding Controllers. For the fifth straight week the Woes turned in a two won and one lost mark with the Pick Ups being their latest victims on the night of February 1 at the Jefferson alleys. The Woes team is composed of wives of employees.

Hi Balls, Kemps Tied

The Controllers dropped into a tie with the Woes last week by being able to take only one game from the Hi Balls while losing two. As a result of this score and the fact that the Kemps bumped off the Dodgers for a pair left the Hi Balls and Kemps tied for second place as the loop race remained tight.

In the other league contest the Rattlers took two games from the Spinners, but the latter team broke into the win column for the first time during the second half of the season.

Woes Lead Team Scorers

The Woes, in their march upward, took most team scoring honors last week. They built a 701 scratch single into a 946 handicap game and on to a 2,752 handicap series. The Rattlers tied the Woes in the handicap single game bracket and the Controllers had the best scratch series of 1,950.

Katie Williams, of the Controllers, turned in the best individual scratch scores of the night with a 184 single and 435 series. D. Bryant, of the Rattlers, posted the best handicap single score of 239 and L. Mason, of the Woes, was tops with a 609 handicap series.

League standing follows:

| Team | W | L | Team | W | L |
|-------------|----|---|----------|---|----|
| Controllers | 10 | 5 | Pick Ups | 8 | 7 |
| Woes | 10 | 5 | Dodgers | 7 | 8 |
| Kemps | 9 | 6 | Rattlers | 6 | 8 |
| Hi Balls | 9 | 6 | Spinners | 1 | 14 |

TWO WOMEN BOWLERS SCORE UNUSUAL SPLITS

Lillian Howard and Mabel Tyer, rolling in the W League last Wednesday night, reported unusual splits during their alley activities. Lillian made the difficult six-ten-seven while Mabel dropped the five-eight-ten combination.

Jays, Birds Upset In Final Tilts; Last Half Starts

Both the Speckled Birds and the Blue Jays, Y-12 entries in the Class B Oak Ridge Recreation Basketball League, stumbled in the last games of the first half of league play last Wednesday night, both being victims of what might be called upset victories. The Birds fell before the ORNL Chemists by 32 to 26 and the AEC quintet trimmed the Jays by 43 to 39. The Barber Buick team won the first half title with the Birds and AEC tied for second and the Blue Jays next in line.

First round games in the second half were played Thursday night and the Blue Jays trimmed the ORNL Instruments, 26-25, but the AEC basketballers bumped the Speckled Birds by 37 to 33. Barber Buick beat the ORNL Chemists on the same night.

The Birds and Jays were scheduled to have met each other Monday night of this week while at 8 o'clock Thursday night the Birds meet Barber Buick and the Jays tackle the Chemists an hour later at Jefferson. On next Monday night, February 13, the Birds play the Instruments at 7 o'clock and the Jays tackle Barber at 8 o'clock, the program being scheduled for the Jefferson hardwood.

League standing at the end of the first half of the season follows:

| Team | W | L | Team | W | L |
|----------------|----|---|-------------|---|---|
| Barber Buick | 10 | 0 | Blue Jays | 4 | 6 |
| Speckled Birds | 6 | 4 | Instruments | 2 | 8 |
| AEC | 6 | 4 | Chemists | 2 | 8 |

New Firm To Run Ridge Dormitories

Operations of the 14 Oak Ridge dormitories now in service will be taken over March 1 by the C. L. Leach Hotel Co., it has been announced by the Atomic Energy Commission and the Roane-Anderson Co. Wender has leased approximately 20,000 square feet of space for the store for five years with an option for renewal for a similar period.

Wender plans extensive improvements in the new quarters and will install clothing, furniture, hardware, household goods and other departments. The new store will occupy all the space in the building with the exception of that now held by The Oak Ridger and a portion next to the newspaper plant that will be occupied by the C. & S. Laundry.

RIPPING IS SPEEDED

The National Patent Council has reported that ripping now can be done with a new machine attachment, as fast and easily as sewing. A tiny knifelike instrument especially honed and angled can be set into the needle bar of a sewing machine. As the ripper follows the seam it separates the weave. It does not cut the slack fabric threads but does cut the taut bobbin stitch.

Wender Gets Lease For New Store Here

A popular-priced general merchandise store will be opened soon in the No. 1 Laundry Building on Tyrone Road by John J. Wender, it has been announced by the Atomic Energy Commission and the Roane-Anderson Co. Wender has leased approximately 20,000 square feet of space for the store for five years with an option for renewal for a similar period.

Wender plans extensive improvements in the new quarters and will install clothing, furniture, hardware, household goods and other departments. The new store will occupy all the space in the building with the exception of that now held by The Oak Ridger and a portion next to the newspaper plant that will be occupied by the C. & S. Laundry.

ATOMIC ROCKETS SEEN

David Dietz, writing in the New York World-Telegram and Sun, sees the possibility of atomic-powered rockets within the next 50 years that can carry passengers anywhere in the world. Dietz visualizes atomic passenger rockets as being a cross between a railroad train and jet-propelled plane but more nearly resembling a pneumatic tube.

Y-12ers Meet Clinton, K-25 And Trico In Coming Tilts

(Continued From Page 3)

Win On Free Throw

The Robins almost kicked that one away against the K-25 women. A free throw by Jerry Koprowski finally tied it up with less than a minute to go and another charity toss by the same player after a technical foul called against K-25 brought the win. In the scrap against Roane-Anderson it was the same old story—the Roane-Anderson sextet was just too big, too fast and too good for the Robins.

League standing through last Friday follows:

| MEN'S DIVISION | | | | | |
|----------------|----|----|---------------|---|----|
| Team | W | L | Team | W | L |
| Trico | 17 | 2 | Clinton | 6 | 11 |
| K-25 | 12 | 4 | ORNL | 5 | 12 |
| Fairchild | 17 | 7 | Southern Bell | 3 | 15 |
| Y-12 | 8 | 12 | | | |

| WOMEN'S DIVISION | | | | | |
|------------------|----|---|---------|---|----|
| Team | W | L | Team | W | L |
| Roane-A'son | 14 | 0 | K-25 | 4 | 13 |
| Y-12 | 10 | 5 | Clinton | 0 | 14 |
| ORNL | 9 | 5 | | | |

No job is too big for a good man.

Men's Varsity Bowling Team Loses Three To Williams

After a couple of weeks of excellent showings on the hardwood, the Y-12 men's varsity bowling team came apart at the seams January 30 at the Oak Terrace and absorbed a three-game and total score defeat at the hands of the Williams Raiders. The Y-12 game scores were 751, 770 and 798—2,319 against 770, 903, 832—2,505 for the victors.

Ernie Cobble was the only Y-12er to turn in a 500 series score, just making that mark with games of 191, 149, 160. Frank Gragg had 138, 167, 189—494; Rudy Pletz 149, 155, 167—471; Conrad Roberts 135, 169, 167—471; and Nelson Tibbatts 138, 130, 115—383.

A badly battered man was brought into the hospital. The attendant began to fill out the regular entrance form. "Married?" the attendant asked.

"No," was the answer, "automobile accident."