

CARBIDE 'CO-OP' EDUCATION PLAN AIDS STUDENTS



PICTURED ABOVE ARE SEVEN OF THE 12 STUDENTS enrolled in the Carbide Co-operative Education Plan at Y-12. From left are Charles E. Hamrin, Jr., Phillip Sexton, James W. Cook, Albert H. Cortner, Julian Crowell, Herbert P. Krog and

Raymond A. Rochat. Hamrin and Sexton now are at work. The other five have completed the first phase of work here and now are taking class work at universities. Five more students will begin work here next year.

12 Are Enrolled At Y-12 Among 41 In Oak Ridge

Alternate Employment And Class Periods Helps Company, Men

A Co-operative Education Program, between Carbide and Carbon Chemicals Company and six universities now provides intermittent employment to 41 students at the plants and laboratories operated by Carbide for the Atomic Energy Commission here in Oak Ridge. Two additional universities are expected to participate in the program within the current school year.

Universities In Program
At present universities participating in the program include Alabama Polytechnic Institute, Auburn, Ala.; University of Cincinnati, Ohio; Georgia School of Technology, Atlanta, Ga.; Northwestern University, Evanston, Ill.; University of Tennessee; and Virginia Polytechnic Institute, Blacksburg, Va. Arrangements are being completed to include the University of Louisville, Ky.; and Drexel Institute of Technology, Philadelphia, Pa., in the program.

Specialized fields of study of the 41 students now enrolled include 20 in Chemical Engineering, six in Mechanical Engineering, two in Industrial Engineering and two in Engineering Physics. Sixteen of the students are enrolled at K-25, 13 at the Oak Ridge National Laboratory, and 12 at Y-12.

Two Now Working at Y-12
Of the 12 students enrolled in the program at Y-12, two now are currently at work and will resume their collegiate work about January 1. Five more have completed the first phase of employment in the plant and have returned to their educational institutions for class work before coming back to Y-12 later. The other five are preparing for their first "term" of work in Y-12, beginning either in January or March.

The two students now at work are Charles E. Hamrin, Jr., of Northwestern University, who is majoring in chemical engineering and is employed in the Development Division; and Phillip Sexton, University of Tennessee, majoring in Mechanical Engineering and assigned to the Engineering and Maintenance Division.

Five Complete Initial Work
The men who have completed

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ATTENDING AN ORGANIZATIONAL LAST THURSDAY TO FORM A Y-12 GIRLS CLUB were, seated above from left, Thelma Carnes, Emma Boyd, Kathleen Milligan, Betty Sue Davis, Lynn Turner, Esther Moody, Juanita Pitt, Peggy Cowan, Sue Wassom, Peggy Crews, Betty Whitehorn, Verna Peckman, Evelyn Tucker and Elizabeth Collins. Standing, Joy Goodman, Virginia Boswell and Sarah Kerr with Bill Stanton, Y-12 Recreation Supervisor who is helping the women employees of the plant organize the club.

Chest Gifts In Y-12 Now Total \$10,634.78

Plant Hits 118 Per Cent Of Goal In Campaign

The 1953 Oak Ridge Community Chest fund campaign was virtually completed in Y-12 last week with a total of \$10,634.78 in gifts from generous employees to the red feather agencies of the Chest for operations during the coming year. This is a record of 118.14 per cent of the assigned goal of \$9,000 for Y-12.

Figures released last Friday by Roger Hibbs, Head of the Laboratory Division and chairman of the Plant Campaign Committee, showed that the Superintendents Division, with a percentage of 269.11, led the plant in responding to the Chest appeal. The Development Division was second with a record of raising 207.55 per cent of its quota. The largest amount of money was raised in the Engineering and Maintenance Division, which provided \$5,531.91, or more than half of the plant goal. The Division percentage was 121.45.

A total of 95.28 per cent of Y-12ers contributed to the Chest campaign, with only a few pledge cards unreturned because of various causes of absences.

Early Visit Is Urged To Ridge Safety Lane

The Oak Ridge Safety Lane now is open for inspection of all motor vehicles operating in the area for the six-month period beginning January 1. Y-12ers are urged to make early visits to the Safety Lane on East Division Road, not only to avoid the usual last day rushes but also to ascertain that their automobiles are in safe operating condition.

Open Six Days Weekly
The Safety Lane will be open until January 10 from 9:30 a.m. to 9 p.m. on Mondays through Saturdays. It will be operated by the Oak Ridge Police Department.

Safety stickers issued during the present inspection period will bear the expiration date of June 30, 1954. The spring semi-annual inspection period will be held beginning early in May and continue until July. Stickers issued then will be good until December 31.

Inspections Reveal Faults
Visiting the Safety Lane is a privilege offered Oak Ridge mo-

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Y-12 Girls Club Meeting Set Thursday To Select Officers

A strong and active Y-12 Girls Club soon will be in operation to enliven the social side of Y-12 life.

At an enthusiastic meeting last week, a group of Y-12 women employees declared in no uncertain terms their desire to revive the organization that was so popular during the early days of plant operations. Therefore, the Y-12 Recreation Office, which has been inquiring into the wishes of women throughout the plant on the matter of reorganizing the Girls Club, has called another meeting of interested employees for 6:30 o'clock tomorrow night, Thursday, November 5, in the Ridge Recreation Hall.

At this session, it is hoped to perfect the organization with election of officers and laying of plans for future activities. All of the Y-12 women employees who replied to the questionnaire published in The Bulletin and those who attended the meeting last week are urged to attend the session tomorrow and to try and bring friends with them.

Probably the first matter of business to be taken up after the group is formed will be a membership campaign. After that the field of entertainment to be covered will be discussed. Dances, fashion shows, hay rides, weiner roasts and other similar affairs were staged by the original Y-12 Girls Club during its time for the pleasure of many employees.

ATOMIC FILMS OFFERED
The Savannah River operations office of the Atomic Energy Commission has offered six new films on atomic energy to schools, civic and professional groups, according to the Augusta, Ga., Chronicle.

ACS Section To Hear Black On Fluoridation
The East Tennessee Section of the American Chemical Society will hold its regular monthly meeting next Monday night, November 9, in Knoxville. Dinner will be served at the S & W Cafeteria at 6:45 p.m. and the business meeting will be at 8 p.m., at Dabney Hall, the University of Tennessee.

Dr. A. P. Black, Chemistry Department head at the University of Florida, will speak at the meeting. His subject will be "The Present Status Of Fluoridation." Slides To Be Shown
Dr. Black will give a brief account of the sequence of events leading up to the introduction of fluoridation as a public health measure. Numerous slides, many of them in color, will be used to illustrate several points. He will discuss the most modern techniques of fluoridation, chemicals employed, their properties and cost and methods for determination of the fluoridation in water.

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Camera Club Salon Meeting Set Tuesday

The big event of the year for the Carbide Camera Club, the annual salon meeting, will be held jointly with the Oak Ridge Camera Club at 8 o'clock next Tuesday night, November 10, in Room 207, Oak Ridge City Administration Building.

The meeting will be a joint session with the Oak Ridge Camera Club.

Two Contests To Be Held
There will be contests in both black and white photographs and color slides. Subjects for the photographic entries will be people, architecture, scenery and miscellaneous.

Robert Schlageter will judge the color slides and Vince Moore will judge the photographs. Moore is a former Y-12 photographer.

Year Limit On Prints
An age limit of one year will be applied on prints but there will be no limit on negatives. The print must not have been entered in any previous Carbide Camera Club Salon.

Flowers and still life, scenery, people and miscellaneous will be the four subjects used for the slide entries. Slides must have a transparency age of less than two years.

Four Entries Per Person
Four entries per person will be allowed in each category and the exposure, kind of film, type of camera and lighting must be available.

A cartoon and a travelogue will be shown at the big event to all club members present.

SAFETY SCOREBOARD

Your Plant Has
Operated
95 Days
Without A Lost Time
Accident
Through November 1

The Bulletin

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GEORGE W. DOBBS . . . Editor

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North Portal Bldg. 9701-1
Telephone 7753

First Methodist Church Will Hold Bazaar Saturday

The Women's Society of Christian Service of the Oak Ridge First Methodist Church will hold its annual Christmas bazaar at the church Saturday, November 7. The bazaar will be held from 11 a.m. to 8 p.m. with a turkey dinner being served from 5 p.m. to 8 p.m.

Several Y-12 wives are among the society members active in making arrangements for the bazaar. The wives and departments in which their husbands work at Y-12 include Mrs. L. Alin Stephens, president of the society, (Analytical Laboratory), Mrs. Russell Hopper (Maintenance Shops), Mrs. J. W. Strohecker (Project Design Development), Mrs. Paul Petretzky (Chemical), Mrs. V. C. Jackson (Analytical Laboratory) and Mrs. J. H. Nicholson (Product Processing).

Hospital List

The following Y-12 employees were patients in the Oak Ridge Hospital last week: B. A. Cooper, Maintenance Shops; Elmore W. Koons, Sr., Joe D. Helton, Wright Smith and Lloyd Parker, Field Maintenance; E. B. Galloway and Earl J. Panter, Research Services; Cary B. Hillard, Guard; James W. Doane, Fire; Bailey B. Carter, Alloy; E. W. Smith, Uranium Processing; Lynde M. Turner, Superintendents; Charles Walker, Will Rider and James O. Phillips, Janitors.

Alimony is a matter of wife or debt.

AMERICAN CHOP SUEY WITH RICE IS ENTREE ON LUNCH SPECIAL

The Y-12 Cafeteria will serve American Chop Suey with rice as the entree on the popular 50-cent special Thursday lunch to be served tomorrow, Thursday, November 5. The entree will be accompanied by one vegetable, salad or dessert and rolls and butter.



MAINTENANCE DIVISION
Buildings and Grounds extends sympathy to **J. C. Lawson**, on the recent death of a brother.

J. H. Abston and **W. J. Sims**, of Transportation, are on this week's vacation list.

Maintenance Shops extend get-well wishes to the folks on last week's sick list, who were **J. W. Dowell**, **J. W. Witt**, **L. A. Michaels** and **H. D. Campbell**. . . A welcome is extended to **H. H. Vaughn** and to **F. V. Jones**, latest additions to the roster. . . The department extends sympathy to **W. D. Cunningham**, whose mother, Mrs. Boxell, passed away recently in Muncie, Ind. . . **C. P. McLemore** spent last week in St. Petersburg, Fla. . . **C. J. Pratt** accompanied **H. C. McCraw** on a recent week-end flight to St. Louis, Mo., for a visit with relatives—McCraw piloted his own private plane. . . **W. C. Collins** is still elated over that hole-in-one he made on a recent week-end golfing trip over to Lenoir City.

M. G. Crouch and **A. W. Byford**, are on this week's vacation list. . . The department welcomes **E. S. Smith** to the roster. . . Sympathy is extended to **A. H. Schubert**, whose brother died recently in Lenoir City.

Folks in Field Maintenance welcome **A. W. Allen**, **K. B. Silva**, **Aaron Monday** and **C. R. Webber** to the roster. . . A welcome goes to **W. P. Weatherly**, **V. L. Peppers** and **M. A. Horton**, who have returned after various illnesses. . . Get-well wishes go to **Charlie Greene**, **J. P. Tilley** and **B. E. Burdette**, who are additions to the sick list. . . **Charlie Beckett** is still plugging along!

Salvage extends congratulations to **R. M. Hines**, who is the proud papa of a baby girl born October 25 in Harriman.

Research Services extends wishes for a speedy recovery to **Earl Panter**, who is out of the hospital now and hopes to get back to work soon. . . Also get-well wishes are extended to **E. B. Galloway**, who is on the mend in the Oak Ridge Hospital. . . And to **F. O. Gaddis**, who is still a patient in the hospital. . . The department extends wishes for a speedy recovery to **W. R. Duff's** wife, who is ill in St. Mary's Hospital in Knoxville.

Folks in ADP Maintenance welcome **K. B. Baker** back to work after an illness. . . **R. D. "Bob" Baker** is vacationing this week.

L. F. Fisher, Electrical Maintenance, has returned from a week's vacation up in Kentucky. . . **W. H. Pool** spent a week at home in Kingston. . . **T. B. Hendrix** planned to do some squirrel hunting near home in Byington while vacationing last week. . . **C. E. Dalton** has returned all rested up after his week of vacation at home in Norris. . . **W. H. Dail** has returned from a week of va-

cation. . . Get-well wishes go to **W. S. Miller**, who was on last week's sick list. . . A welcome goes to **C. M. Farmer**, latest addition to the roster.

SUPERINTENDENTS DIVISION
Rhonda Harrell, Superintendent's Department, vacationed last week at home in Knoxville to be with her brother, Jack, who was home on leave from Camp Gordon, Ga.

Folks in Technical Information extend wishes for a speedy recovery to "**Peg**" **Zerby**, who is a patient in Bryn Hawr Hospital in Narberth, Pa.

MANUFACTURING OFFICE
The Stores Department extends sympathy to **B. B. Thornton**, whose mother passed away recently in Denver, Col. . . Get-well wishes go to **Roy Wells**, who was ill last week—with the hope that he will be able to return to work this week.

Property extends get-well wishes to **Mary Goss**, who was off ill last week.

Property Sales welcomes **Glen Slack**, and **J. W. Stevison** back to the fold after their absence because of illness.

Bob Worthington, Timekeeping, is vacationing this week at home near Clinton—the family plans to run up to Morristown to visit a son.

ALLOY DIVISION

The Division extends congratulations to **George Marcus**, who is the proud papa of a seven-pound eight-ounce baby girl—little Vicki Lynn was born October 26 at St. Mary's Hospital in Knoxville.

ENGINEERING DIVISION

Folks in Electrical Engineering extend congratulations to **H. G. Tillery**, who is the proud father of a baby boy born October 28 in a Knoxville hospital, weighing nine and one-half pounds.

LABORATORY DIVISION

Betty Martin, Analytical Laboratory, spent last week visiting relatives in New York City. . . **Eunice Jones** is on a vacation tour of South America. . . **Marie Dinsmore** and her husband, **John**, spent last week vacationing at Fontana, N. C. . . **J. W. Charles** and his wife, **Nell**, a former co-worker, visited relatives in Nashville over a recent week end. . . **L. D. Keele** spent his week of vacation relaxing at home in Oak Ridge. . . **W. A. Freels** planned to do some fishing while on vacation at home in Harriman last week.

The Assay Laboratory extends congratulations, and a farewell, to **Marjorie McCulley**, who was married recently to John Dugger, and has gone to Louisiana to live. . . **Doris Brogan** enjoyed a recent week end in Gatlinburg.

INDUSTRIAL RELATIONS DIVISION

Medical extends congratulations to **Louise Worthington**, a former employee, who is the proud mother of a five-pound baby girl born October 26 at St. Mary's Hospital in Knoxville. . . **Celeste McGhee** is vacationing this week at home in Knoxville to entertain her sister and brother-in-law, of Philadelphia, Pa.

Capt. J. H. Conner, Guard Department, and his wife enjoyed a recent week of vacation in the Smokies and in Asheville, N. C. . . **Lt. J. M. Patterson**, his wife and mother-in-law have returned from a two-week vacation in Houston and Dallas, Tex. . . Vacationers from the department next week will be **R. F. England**, **F. O. Venable**, **R. V. Adkins** and **L. F. Ellis**.

Mary Emma Owen, Clearance



Mr. and Mrs. W. E. Koons, Jr.



KOONS—HUCKABEE

Of interest to many Y-12ers was the marriage on Saturday, October 17, at Decatur, Ga., of Miss Nena Carolyn Koons and William Elmore Koons, Jr., a former Y-12er in the Buildings and Grounds Department. The bridegroom's father also is a Y-12er in Field Maintenance and Mrs. Koons, Sr., is with the 9212 Operations Division.

The bride is the daughter of Mr. and Mrs. John M. Huckabee, of Decatur, and the bride's father gave her in marriage.

The ceremony was performed at the home of the bride's parents with the Rev. Jack Ballard officiating. At her wedding the bride wore a gown of Chantilly lace, designed by her mother, with long pointed lace sleeves and a fitted bodice. Her bridal bouquet was centered with a white orchid on top of a satin covered prayer book.

Mrs. Guy C. Brazell, Jr., was the bride's only attendant.

The groom's father acted as best man at the wedding.

Following the ceremony, a reception was held at the home of the bride's parents, after which the couple left on a Florida honeymoon trip.

"Bill" Koons, the bridegroom, is well known in Oak Ridge and Y-12. He graduated from Oak Ridge High School, where he was a member of the National Honor Society and alternate captain of the football team. He attended the University of Chattanooga, where he was a member of the football squad for four years and received his A.B. Degree. At the university he was elected to Who's Who In American Colleges and Universities and was a member of the Kappa Sigma fraternity and the Pi Gamma Mu honorary social science fraternity.

The bride graduated from Decatur High School for Girls where she also was a member of the National Honor Society and achieved other distinctions. She also attended Georgia State College for Women and the University of Chattanooga.

The bridegroom returned to duty at the United States Naval Station at Bainbridge, Md., following the wedding trip and the bride will live with her parents at Decatur.

Bureau of Standards Woman To Address Seminar Meet

Katharine Way, of the United States Bureau of Standards, Washington, D.C., will speak at the weekly meeting of the Oak Ridge Physics Seminar on Friday afternoon, November 6. The meeting will be held at 2:15 p.m. in the auditorium of Bldg. 4500, Oak Ridge National Laboratory. The subject will be "Beta Decay Energy Systematics." All Y-12 technical and scientific personnel interested in the subject are urged to attend the session.

Wives Of Y-12ers Winners At Monthly Card Party

Mrs. Vernon C. Hemperly and Mrs. Frank Scheitlin, wives of Y-12ers, were among prize winners at the October card party and meeting of the Carbide Wives. The former was a winner at bridge and the latter took the door prize.

The meeting was held October 21 at Ridge Recreation Hall, which was decorated in a Halloween theme. The Carbide Wives meet on the third Wednesday night of each month and all wives of Y-12ers are invited to attend the affairs.



Y-12ERS, OTHER EMPLOYEES IN THE PLANT AREA and members of their families performing in the Oak Ridge Symphony Orchestra are pictured above right after the orchestra's first appearance of the year with the Oak Ridge Community Chorus. From left are Dr. Waldo Cohn, conductor; Barbara Marable, Roanne Roseberry, daughter of R. R. Roseberry; James Marable, Sandra Milligan, daughter of Kathleen Milligan; Henry Rosenstock, Herbert White and Don Zucher.



A PAIR OF ACTIVE TEAMS IN THE Y-12 MIXED LEAGUE are pictured above. At left are the Wheels with Bill Hays preparing to power a strike down the alley as Wilma Brock, Howard



Horne and Florence Housch look on admiringly. In the picture at right are the Ponies warming up for a match, from left being Buzz Strunk, Mary Curtis, Ann Strunk and Tom Hilliard.

Varsity Basketball Teams Start Work; Prospects Are Good

Robins And Cardinals Drilling Hard For Long Season Ahead

Basketball is fast winding its way to the top of the sports calendar in Y-12 as the two varsity teams, the Robins and Cardinals, have already started practice sessions preparing for the long slate ahead this winter.

Women Hold First Session

The Y-12 women held their first practice session last Monday night with a large turnout of candidates. More are expected at the practice scheduled for 8 o'clock tonight, Wednesday, November 4, at Woodland School, located on Marietta Circle. The next two practice sessions for the Y-12 lassies follow:

Friday, Nov. 6—6 p.m., Jefferson School. Monday, Nov. 9—8 p.m., Jefferson School.

Veteran Cagers In Action

The Y-12 Cardinals got in three good practice sessions last week with several veteran cagers in action and also a large group of newcomers making a bid for a place with the cardinal and white basketballers. Practice sessions for the Cardinals follow:

Wednesday, Nov. 4—6 p.m., Highland View School. Friday, Nov. 6—8 p.m., Jefferson School. Monday, Nov. 9—6 p.m., Jefferson School. Wednesday, Nov. 11—8 p.m., Woodland School.

Team Positions Are Open

All spots on the two varsity teams are wide open and the Y-12 Recreation Office urges any new candidates to be present for the future drills. Any information needed about basketball may be secured from the Recreation Office, North Portal, telephone 7753.

The Recreation Office is also looking for managers for both the Y-12 Robins and Cardinals. Prospects are bright for a winning season and it seems as though plenty of good material will be on hand for the managers.

Plant League Interest High

Plant league basketball practice sessions will start in the near future. The exact time and places will be published later in The Bulletin. There seems to be a record amount of interest expressed by various plant groups for plant league basketball this winter. It is hoped that an eight-team league can be formed. Anyone interested in managing a plant league team is urged to call the Recreation Office, telephone 7753.

Volleyball League To Play On Mondays

With four teams finally signed, sealed, delivered for membership, the Y-12 Volleyball League was scheduled to get underway on Monday night of this week at the Highland View School gymnasium. Participating in loop play are the Uranium Control Junior Varsity, Duds, Maintenance and Jumping Jax.

The league plans provide for two games every Monday night with one clash set for 6 p.m. and the other at 7 p.m. It was originally planned to play league contests at Willowbrook School but because of a conflict with other City Recreation Department activities, the scene was changed to Highland View.

All Y-12ers desiring to play volleyball this season are urged to attend the Monday night sessions and join one of the four teams. If a sufficient number of players appear, more teams will be formed.

The schedule for next Monday night follows:

6 p.m., Maintenance vs Duds.
7 p.m., Jumping Jax vs UCJV.

Rusty Five Tied For Top In C Loop

The Rusty Five made rapid progress in the C League last week by whipping the Uranium Control Junior Varsity by three tallies to advance to a first place tie with the Glass Arms, who went down in defeat before the Can't Hooks by a three-point margin. The Hooks were hot last week, handing the Hornets a four-point whitewash while the improving Wash Ups took three points from the Screw Balls.

The Can't Hooks racked up a 326 scratch game, high score for the first half, also a 1043 handicap game, second high for this half of play. Scratch series honors were taken by the Rusty Five with a 2233 and the Hooks tallied a 2816 handicap series. Eichorn, Can't Hooks, rolled a 198 scratch game, boosted to 234 with handicap. Dyer, Wash Ups, had a 518 scratch series and Otis Rackley, Can't Hooks, scored a 661 handicap series.

League standing follows:

Team	W	L
Glass Arms	23	9
Rusty Five	23	9
Hornets	20	12
Hooks	17	15
Can't Hooks	13	19
Screw Balls	12	20
Wash Ups	11	21
UCJV	9	23



ANOTHER LIKELY ENTRY IN THE 1953 Y-12 FISHING CONTEST IS the husky small-mouth bass shown being held by its captor, G. F. Nelson, of Transportation. Nelson yanked his catch in from Norris Lake.

Peons Tie Orphans For Top In D Loop

The improving Peons whipped the Unknowns by three tallies in the D League last week at the Central alleys to advance to a first place tie with the Orphans as the Rollers clipped the Orphans by a three-point margin. Other league action saw the Sooners and Vectors divide their four points for the week.

The Vectors rolled a 1038 handicap single, high for the first half of play. The Orphans had a 787 scratch single while the Peons rolled a 2163 scratch series. The Sooners got into the act with a 2917 handicap series. "Paddy" Peckman, Orphans, chalked up a 186 scratch single and Hamilton, Vectors, had a 231 handicap game. Hobey Thomas, Vectors, came through with a 517 scratch series while Davis, Sooners, rolled a 649 handicap series, second high for the first half.

League standing follows:

Team	W	L
Orphans	16	8
Peons	16	8
Sooners	15	9
Rollers	11	13
Unknowns	6	14
Vectors	4	16

The man who is always trying to create a sensation soon gets so that he can't even create a disturbance.

WATO Whipped By Y-12 Keglers

The Y-12 varsity bowling team brought its record for the season to 17 wins and 11 losses when they tucked a four-point defeat onto the WATO keglers October 26. The Y-12ers posted scores of 842, 933, 892—2567; to 809, 712, 702—2123 for the radio lads.

Ernie Cobble's 565 series topped the winners, consisting of games of 194, 168 and 203. Then came Joe Pryson 150, 160, 221—531; Frank Gragg 169, 181, 178—528; Roy Roberts 183, 176, 134—493; and Jack Spears 146, 148, 156—450.

Rifle Team To Fire Friday For Record

Capt. Carl Brewster's Y-12 rifle team was unable to muster a quorum last week and therefore did not participate in the first week's activities of the Oak Ridge League, officially posting a forfeit for the period. The rifle team is scheduled to fire Friday night of this week, November 6, at the Oak Ridge Sportsmen's Association range with the week's results by the six teams of the circuit being compared for league standing. Captain Brewster has urged all members of the team and other riflemen in the plant wanting to fire with the group to report at the range at 7 p.m.

Y-12 SPORTS

Rebels Roll Way To B League Top

Action was hot and heavy last week in the B League at the Oak Terrace alleys as records fell in all directions. The fighting Rebels took over the top spot in the league by whitewashing the Has Beens while the Wolves moved to second place by blanking the ADP. The All Stars made history as they jumped all the way to the No. 4 position by taking four big points from the Cubs. Three-point victories were turned in by the Bumpers over the Tigers, Wasps over the Rippers and Bldg. 9211 over the Swingsters.

The Wolves had a good night on the hardwood, scoring a 926 scratch game and a 2700 scratch series, both high marks for the first round of play. The Rebels tallied a 3079 handicap series, high for the first round, and a 1057 handicap game. Joe Pryson and Ed Sise, of the Wolves, each had a 223 scratch game and Pryson also rolled a 619 scratch series, high mark for the first round. Joe Dunlap, Rebels, marked up a 672 handicap series, high for this round of action and Joe Smyrl, ADP, rolled a 248 handicap game.

League standing follows:

Team	W	L
Rebels	24	12
Wolves	23½	12½
Has Beens	22½	13½
All Stars	20	16
Bumpers	19	17
Wasps	19	17
Cubs	18	18
Swingsters	18	18
Rippers	18	18
Bldg. 9211	16	20
Tigers	10½	25½
ADP	7½	28½

Varsity Women Top ORNL In City Tilt

The Y-12 varsity women are still tied with the Norris Creamery lassies for second place in the Oak Ridge Women's City Bowling League as the Y-12 keglerettes took three big points from Oak Ridge National Laboratory last week at the Oak Terrace alleys. Ricker Heating Company is leading the league but the Y-12 team is knocking at the top door.

Ruby O'Kain led the Y-12 lassies last week, posting a 157, 177, 172—506; followed by Mavis Koons 144, 151, 160—455; Betty Whitehorn 156, 151, 123—430; Dot Park 129, 132, 148—409; and Juanita Pitt 125, 146, 112—383. Team totals showed Y-12 with 711, 757, 715—2183 against 713, 662, 707—2082 for ORNL.

Remember—Only you can PREVENT FOREST FIRES!

Rams Maintain Pace In Y-12 Mixed Loop

The Rams maintained their torrid pace in the Mixed League last week as they whitewashed the Ponies to remain ahead of the pack. The Papi's took three points from the Cards as Juanita Pitt shattered three previous high marks for the first half of play, rolling a 523 scratch series, boosted to 622 with handicap and a 230 handicap game. Nita also chipped in a 197 scratch game. Other alley activities saw the Wheels whitewash the Spotters and the Hubs blank the Pin Balls by four tallies.

Harold Ratjen, Rams, swept across the boards with a 206 scratch game, boosted to a 231 with handicap, going on to roll a 530 scratch series, increased to 305 with handicap. The Papi's put together a 2253 handicap series, a 347 scratch single and a 1817 scratch series with the latter two marks being high for the first half. The Hubs got into the act with a 806 handicap game.

Team	W	L
Rams	19½	4½
Wheels	17	7
Cards	15	9
Papi's	14	10
Hubs	13	11
Ponies	7	17
Pin Balls	5½	18½
Spotters	5	19

Frank Gragg Leads City League Pinmen

The Y-12 men's varsity bowling team in the Oak Ridge City League has compiled a good record so far this season, although the team is standing in fifth place according to the latest release by the City League secretary.

The Y-12ers have 17 wins and 11 losses. They have an overall average of 856 pins. They are also second in team series scoring with a 2755 and third high in team game scoring with a 984.

Frank Gragg leads all averages in the league with a 184, Ernie Cobble has a 174, George Schierbaum 174, Joe Pryson 166, Jack Spears 165 and Roy Roberts 164.

8,600 Americans Literally Walked Themselves To Death

During 1952 8,600 Americans literally walked themselves to death. They were pedestrians killed in motor vehicle accidents, according to the National Safety Council.

Pedestrian deaths were highest among city dwellers in 1952, with 5,450 killed in urban areas and 3,150 in rural. In 3,000 of the fatal pedestrian accidents, the victims were 65 years of age or older.

Of all pedestrians killed, one in every 12 had a physical defect such as defective hearing, eyesight or illness.

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Carbide 'Co-Op' Education Program Aids 41 Students In Oak Ridge; 12 Are In Y-12

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Their work in Y-12 and who now are pursuing their studies are, with their schools, study majors and divisions where employed in Y-12, Albert H. Cortner, University of Tennessee, electrical engineering, Engineering and Maintenance; James W. Cook, University of Tennessee, mechanical engineering, Engineering and Maintenance; Raymond A. Roach, University of Tennessee, electrical engineering, Engineering and Maintenance; Herbert P. Krog, Northwestern University, chemical engineering, Chemical; and Julian Crowell, University of Tennessee, engineering physics, Industrial Relations.

The other five who will come to Y-12 in the future are George C. Stohlman and Joseph R. Fracker, both of V.P.I., chemical engineering, Chemical; Wendell B. Nix, Alabama Poly., engineering physics, Industrial Relations; Joel L. Young, Jr., Alabama Poly., mechanical engineering, Chemical; and James C. Robinson, Georgia Tech., chemical engineering, Chemical.

Program Is Described

According to the American Society for Engineering Education, co-operative education is a program of higher education leading to an academic degree, which requires the student to alternate periods of school with periods of employment. Such employment should be related to the student's field of study; should be regular; continuous; and an essential element in the education process. Satisfactory completion of such employment should be among the requirements for graduation.

In this educational partnership between universities and industry the student, the Company and the school all prosper from this co-operative educational relationship. For example:

1. The student, as a natural result of working, absorbs knowledge and experience.
2. The combination of class room, laboratory and work experience matures the student and broadens his understanding of the basic theories presented at the university.
3. The student learns to appreciate the viewpoint of people with whom he will work in later years.
4. The student's adjustment from college class rooms to industrial practice is a gradual and easy transition.
5. The student is given an opportunity to test his aptitude for an engineering career by actual practice.

Program Aid To Industry

All these things tend to make the student a better professional engineer. This is advantageous to his ultimate employer and to industry as a whole.

Under Carbide's Co-operative Educational Program, the responsibility of selecting and qualifying the student for entrance in the program rests with the university. The Company has complete and final authority of accepting or rejecting any student referred to it by the university. The student alternates between school and work at the time intervals specified by the school.

The Company, in turn agrees to furnish employment for the student at the time the school makes him available. The student, while working, is subject to the same regulations as are all other employees and may be removed from the program at any time his work experience, attendance or attitude falls below the minimum standards set by the Company. Upon graduation the student is not obligated to accept employment with the Company, nor is the Company obligated to offer the student employment.

Try To Pair Students

Wherever possible, students are paired so that one will be in school while the other is working. Generally, at the end of three months they change places. The one at school comes to work, and the one at work returns to school.

W. E. Williams, of the Carbide General Industrial Relations group, is coordinating the program with the various universities.

Early Visit Is Urged To Ridge Safety Lane

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torists as the inspections of brakes, lights, wheel alignment and safety accessories reveals whether the inspected vehicles are in safe operating condition or need repairs. Drivers are asked to check their vehicles even before coming to the lane for lights and other parts if they are believed to be defective, thus saving time for both the owners and Safety Lane operators. Parents are asked not to bring children along in cars to be tested as if they remain inside the sudden stops required in brake testing might result in injury to the youngsters.

L. J. Bowditch Appointed As Carbide Vice President

H. Earle Thompson has resigned as Vice-President, Carbide and Carbon Chemicals Company, in order to devote his full time to his responsibilities as Vice-President-Engineering, Union Carbide and Carbon Corporation. At the same time, Dr. J. G. Davidson, President, Carbide and Carbon Chemicals Company, has announced that L. J. Bowditch, Vice-President, Carbide and Carbon Chemicals Company, will take up the responsibilities relinquished by Thompson and will have under his direction all construction and design for the Company.

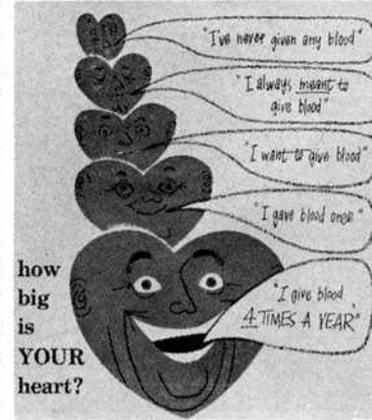
GAME OF BLUFF SEEN

David Lawrence, writing in the New York Herald Tribune, sees a big game of bluff being played by Washington and Moscow concerning hydrogen and atomic bombs. The writer maintains that America's quick retaliation by airplanes and missiles still is the most powerful deterrent to aggression but predicts that disarmament of the United States remains the chief objective of the Russians.

Y-12ers Still May Register To Give Pint Of Blood To Red Cross Bloodmobile For Servicemen Or Nation's Gamma Globulin Program

Big-hearted Y-12ers wanting to contribute a pint of blood that might end up saving the life of a serviceman in an Armed Forces Hospital or being used for the vital nationwide gamma globulin program still may register with the Oak Ridge Chapter of the American Red Cross for the November visit of the Red Cross Bloodmobile to Oak Ridge. The Bloodmobile is scheduled to visit Oak Ridge today and tomorrow, Wednesday and Thursday, November 4 and 5. It will be open for service at the Ridge Recreation Hall from 2 p.m. to 8 p.m. each day.

The goal of the Bloodmobile visit is 300 pints of blood from



how big is YOUR heart?

Oak Ridgers for the Red Cross National Blood Program. The Y-

12ers or members of their families who have not yet registered are urged to do so immediately with the local Red Cross Chapter office, Oak Ridge Turnpike, Oak Ridge telephone 5-5641.

Although the shooting war in Korea has been over for months, the need of blood and plasma for wounded servicemen in the hospitals has not decreased. In the gamma globulin program, blood donated to Red Cross Bloodmobiles throughout the nation is the sole source of blood to be used in making this highly important preventive for polio.

Every volunteer donor is thoroughly checked by physicians before giving blood to insure that no ill effects will result.

ACS Section To Hear Black On Fluoridation

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have been advanced to fluoridation. The findings of the Delaney Committee will be discussed and Dr. Black will comment on each of the five court decisions on fluoridation.

Headed Water Works Group

Dr. Black is a graduate of the University of Iowa. He has long been active in ACS affairs, serving as a contributing editor of the Journal of Chemical Education for 16 years. Dr. Black was president of the American Water Works Association and has received from the association both its Fuller Award and Goodell Prize.

In July of this year, he was elected president of the Southern Association of Science and Industry, Inc. He has founded two firms, Black Laboratories, Inc., and Black and Associates, engineers. He is also a member of the National Advisory Dental Research Council, the editorial board of The Sanitarian and of the Water Works Engineering.



It Happened In November

Nov. 2, 1795—James K. Polk, 11th President of the United States, was born in North Carolina. He was the first "dark horse" to win a presidential nomination (The body of President Polk is buried on the state capitol grounds at Nashville, Tenn.)

Nov. 4, 1879—Will Rogers, cowboy philosopher, moving picture and radio performer, was born in Oklahoma, then known as Indian Territory. He said, "I've never met a man I didn't like."

Nov. 11, 1918—The Germans surrendered to the Allies, ending World War I. Armistice Day now is legal holiday in all states, but has not been generally observed since World War II.

Nov. 21, 1877—Thomas A. Edison announced that he had invented and perfected a phonograph that worked. They still work—as does Edison's electric lights.

Nov. 30, 1835—Samuel Langhorne Clemens was born in Missouri. As Mark Twain, the author, he wrote the adventures of Tom Sawyer and Huckleberry Finn as well as other American masterpieces. He gained the name of Mark Twain after serving as a captain on a Mississippi River steam boat.

BIG RED ROCKETS CITED

British Intelligence has reported, according to the North American Newspaper Alliance, that Russians have massed giant atomic rockets along the 500-mile East German coastline from Stettin to Luebeck. The rockets are reported capable of destroying Europe in one night.

FINGER PUT ON SCIENTIST

The West Berlin newspaper Die Morgenpost has named a British-trained scientist, Peter Kapitza, as the man who made the Russian hydrogen bomb. The paper says every atomic secret stolen from the West has gone to Kapitza.

Instrument Society Sets Meeting Tonight

The Oak Ridge Section of the Instrument Society of America will hold its 82nd meeting at a dinner session to be held at 6:30 o'clock tonight, Wednesday, November 4. The affair will be held at the Oak Terrace.

Clinton G. Goss, research director of the Radiation Counter Laboratories, will be the principal speaker at the meeting. His subject will be "Instruments For Reactor Controls."

Goss helped design a large portion of the instrument equipment now used at Oak Ridge National Laboratory. He has a B.S. Degree from Louisiana Polytechnic Institute and his Master's Degree from Iowa State College. He served 11 months in the Navy during World War II.

10 Years Service

Congratulations to the following Y-12 employees who will complete 10 years of Company service in the next few days—

Jack D. McLendon, Superintendents, November 5.

Eustace J. Rogers, Buildings and Grounds, November 5.

Edith A. Stott, Laundry, November 5.

Arthur O. Mitchell, Guard, November 6.

Willie B. Smith, Research Services, November 6.

Lillie C. Cobble, Transportation, November 8.

Paul E. Wilkinson, ADP Development, November 8.

Mona B. Rollins, Assay Laboratory, November 8.

Paul H. Williams, Guard, November 8.

Sarah E. Keith, Manufacturing Office, November 8.

Theo Renner, Transportation, November 8.

Clifford M. Simcox, ADP Maintenance, November 9.

Otto W. Briscoe, Assay Laboratory, November 9.

Paul B. Petretzky, Chemical, November 9.

Jewell M. Lister, Alloy Division, November 9.

Wilburn W. Welchel, Product Processing, November 9.

Charles W. Toney, Maintenance Automotive Equipment, November 11.

A kibitzer was watching a fisherman who for 30 minutes had never drawn his hook from the water.

"Are there any fish in that stream?" kibitzed the kibitzer.

"Now," said the fisherman.

"Then why are you just dangling that line in the water?" asked the kibitzer.

"Just to show my wife I've no time to peel potatoes."

Attendance Record

MAJOR LEAGUE

Dept.	More Than 50 Employees Scheduled		Standing
	Absent	Percentage	
2619	0.9	1	2
2026	1.45	2	8
2690	1.51	3	5
2077	1.6	4	11
2060	2.1	5	6
2008	2.26	6	1
2003	2.34	7	12
2091	2.39	8	13
2252	2.41	9	14
2002	2.8	10	4
2005	2.88	11	9
2257	2.94	12	3
2142	3.0	13	17
2617	3.1	14	7
2108	3.4	15	10
2014	3.9	16	19
2018	4.2	17	15
2015	4.4	18	18
2618	4.67	19	16
2001	4.68	20	20

Group absentee percentage was 2.7 per cent, .3 per cent higher than the preceding week.

MINOR LEAGUE

Dept.	15-49 Employees Scheduled		Standing
	Absent	Percentage	
2743	0.0	1	5
2107	0.0	1	10
2094	0.0	1	15
2143	0.7	4	9
2301	0.8	5	2
2096	1.4	6	6
2046	2.6	7	12
2025	2.8	8	3
2090	3.1	9	7
2200	3.6	10	4
2093	4.2	11	8
2216	4.5	12	11
2145	4.8	13	13
2144	5.7	14	14
2140	7.5	15	1

Group absentee percentage was 2.7 per cent, .4 per cent higher than the preceding week.

The plant average for the week ending October 25 was 2.7 per cent, .3 per cent higher than the preceding week.

Middle age is when you feel on Saturday night the way you used to do on Monday morning.