

THE Y-12 BULLETIN

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

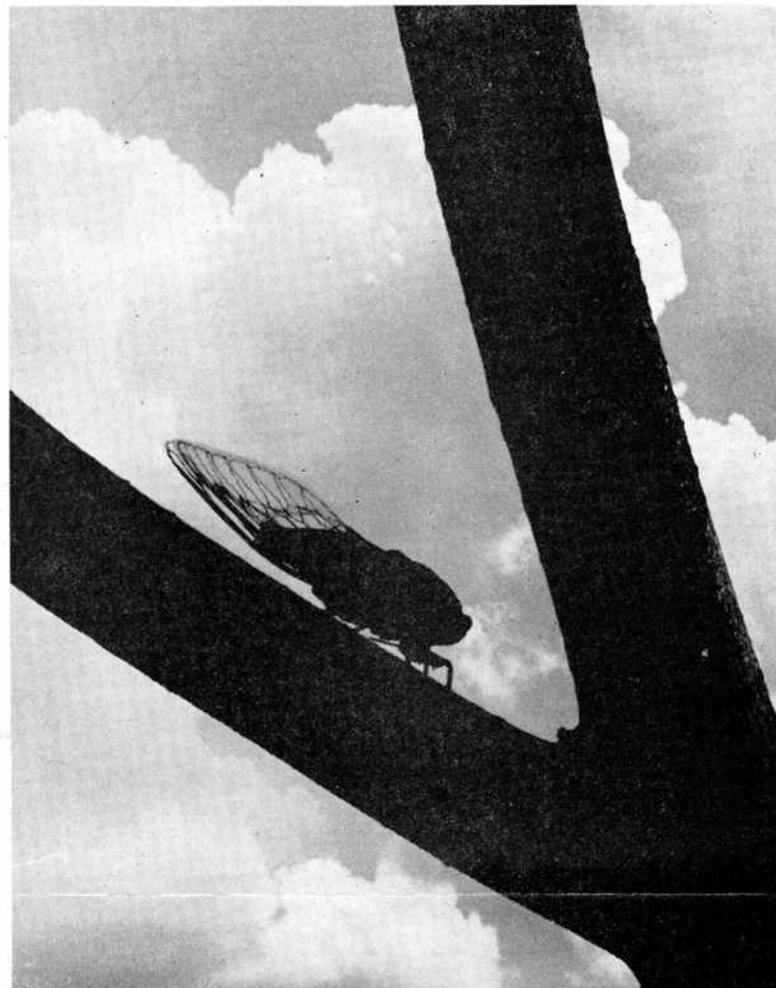
Union Carbide And Carbon Corporation

Volume 4, No. 3

OAK RIDGE, TENNESSEE

Wednesday, January 18, 1950

W. D. LAVERS IS APPOINTED NEW Y-12 AREA SUPERINTENDENT



ENTITLED "CICADA SILHOUETTE" THIS STRIKING picture made by Frank Gordon of Y-12, won first prize at the Carbide Camera Club black and white print contest January 10. Gordon used a Busch Pressman camera and made two negatives. The picture of the cicada, known usually as a locust, was made on Panatomic X film at f32 with one second exposure and developed with D-72 and printed on Indiatone paper developed in Ardol. Ansco Isopan film was used on the clouds at 1/25th second exposure at f32 and the negative developed with D-76.

Camera Club Members Planning Program; Gordon Wins Contest

Members of the Carbide Camera Club, composed of representatives from all three Carbide units in Oak Ridge, now are filling out a survey expressing their wishes for programs for the remainder of the year, it has been announced by Nat Stetson, president of the club and a Y-12 employee in the Electromagnetic Research Laboratory. S. A. Hluchan, of the Oak Ridge National Laboratory and vice-president of the club, has been appointed chairman of the program committee of the organization for the year and will base the program on the desires of the membership.

Program Announcement Soon

Hluchan is expected to announce the program for the year, including subjects for the photographic print and color slides contests held monthly shortly after the next meeting of the club set for February 14. Other members of the committee include H. L. Dickerson, of Y-12; and Ed Witt of K-25.

A combination membership and publicity committee with representatives of all three Carbide units also has been appointed for the year. It includes Harry Bainbridge, of Y-12, past president of the club; O. K. Lewis, of ORNL; and Nelson Van Wie, of K-25, who is secretary-treasurer of the organization. A house committee composed of Don Ross, of Y-12; and Stanley Hornbecker, of ORNL, has been named to plan improvements of the club quarters in the Y-12 East Portal building.

Gordon Wins Print Contest

In the black and white print contest held at the January 10 meeting of the club, first prize went to Frank Gordon of the Y-12 Elec-

(Continued on Page 4)

Group Insurance Pays \$63,508.68 To Y-12 In 1949

Sickness, accident and death payments totalling \$63,508.68 were paid to Y-12 employees carrying Carbide Group Insurance during the year 1949. This represented 574 claims filed during the year.

During 1949 Carbide employees in the three Oak Ridge units were paid a total of \$459,305.85 under the Carbide Group Insurance Plan and in addition the sum of \$132,370.18 was paid out in dividends to policy holders under the plan. These benefits are far in excess of dues paid by participants in the Group Insurance Plan.

During 1949 Y-12ers were paid \$45,204.68 in health and accident benefits on 569 claims. Three death claims were paid, totalling \$16,000 and two total and permanent disability payments amounting to \$2,304 were paid.

This compares to the \$79,802.18 in total payments made in 1948 that represented 686 claims by Y-12 personnel. Of this amount \$50,374.98 was paid out in health and accident claims and \$29,140 in death benefits.

In addition to the \$63,508.68 paid to Y-12ers during 1949, employees at K-25 received \$334,174.30 and ORNL personnel \$61,622.87.

On January 1 of this year a total of 91.6 per cent of the employees of all three Carbide units in Oak Ridge were participants in the Carbide Group Insurance Plan. In Y-12 the membership was 92.8 per cent, in K-25 it was 94.8 per cent and at ORNL there was 82.3 per cent of its personnel enrolled.

Any employee of Y-12 desiring complete information on the Carbide Group Insurance Plan may obtain it from the Insurance Office, North Portal, telephone 7264. The Insurance Office points out that claims may be expedited if claimants promptly submit their claims, accompanied by the required statements by physicians.

DUTCH HAVE CYCLOTRON

The largest cyclotron in Western Europe has been placed into operation in Amsterdam, The Netherlands, according to the Philadelphia Inquirer.

JAPS NOW ELIGIBLE

The AEC has just recently announced that Japan has been declared eligible to receive radioisotopes for medical, biological and scientific research uses.

Analytical Chemists Of ACS Will Organize Group; Dr. Barton To Preside; Susano To Give Address

An organization of analytical chemists within the framework of the East Tennessee Section of the American Chemical Society will be formed at a meeting to be held at 7:30 o'clock next Monday night, January 23, in Room 20, Oak Ridge Institute of Nuclear Studies. Dr. C. J. Barton, of the Y-12 Chemical Research Department, who inaugurated the movement for organization of the analytical group, will preside at the business meeting.

Following the organization meeting, C. D. Susano, of the Technical Service Laboratory of Y-12, will address the group on "The Professional Status of the Analytical Chemist."

The idea of organizing an analytical chemists group in this area first was discussed among Oak Ridge chemists early in 1949. At the October meeting of the East



C. D. Susano



W. D. Lavers



Dr. C. E. Larson

Electricians Again Report 'All Present'

Reporting a perfect attendance record for the fourth week out of the past five, Dept. 2077, Electrical Maintenance, regained first place in the Major League attendance standings for the week ending January 8. Electrical Maintenance had established a record of "all present" for five weeks in a row through November 20, then began another perfect record during the week ending December 11, dropping out for the week ending January 1 when the Guard Department

(Continued On Page 4)

Dr. C. E. Larson Named Director Of Laboratory

Effective February 1, Dr. C. E. Larson will become Director of the Oak Ridge National Laboratory.

Mr. W. D. Lavers will assume the responsibility for administering the Y-12 area as Y-12 Area Superintendent.

This announcement in a plant bulletin distributed last Friday followed news that Dr. Larson will succeed C. N. Rucker as Director of ORNL. Mr. Rucker immediately preceded Dr. Larson as Y-12 Superintendent, coming here when Y-12 operations were taken over by Carbide in 1947 and then moving to ORNL when the Laboratory became a member of the Carbide organization in 1948.

Mr. Rucker has been recalled to assume new responsibilities at Carbide's main plant at South Charleston, W. Va., in the Company's expanded chemicals production program.

In a joint statement last week Carbide and Carbon Chemicals Division, Union Carbide and Carbon Corporation, and the Atomic Energy Commission, announced that the research facilities of the Y-12 area will be made available to the over-all research program of the Oak Ridge operations.

The new Y-12 Area Superintendent was one of the pioneers in the establishment of the plant and watched it grow over a period of several years from the date he first joined the organization, November 22, 1943.

Held Several Important Posts

Successively he held the posts of Superintendent of the Refining Department, Superintendent of Refining Operations and then Superintendent of the Engineering Division. Then in February, 1948, when Dr. Larson became Y-12 Superintendent, Mr. Lavers was appointed Assistant Y-12 Superintendent in charge of Engineering, Maintenance and Production.

On January 31, 1949, he was appointed General Superintendent of the Engineering and Maintenance Division of the Oak Ridge National Laboratory, still maintaining his Y-12 connections.

Enthusiastic Sports Fan

Mr. Lavers has taken an active role in civic affairs since coming to Oak Ridge and now is serving

(Continued on Page 4)

SAFETY SCOREBOARD

Your Plant Has

Operated

208 DAYS

Without A Lost Time

Accident

THROUGH JAN. 15

The East Tennessee Section of the ACS then polled its membership and 70 of the 200 returned surveys indicated overwhelming approval of the proposal and support of the group.

All Y-12 chemists interested in analytical chemistry are urged to attend the meeting Monday night and present their ideas on how the group should be organized and suggestions for possible activities.

Y-12 Bulletin

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Additions To Y-12 Technical Library

MATHEMATICS

DIFFERENTIALGLEICHUNGEN LOSUNGSMETHODEN UND LOSUNGEN. Third edition. E. Kamke. N.Y., Chelsea, 1948. c1944. QA 371; K 15.

MATHEMATICS DICTIONARY. Second edition. Glenn James and Robert T. James, editors. N.Y., Van Nostrand, 1949. QA 5; J 28; Reference.

PHYSICS

ABSORPTION SPECTROPHOTOMETRY AND ITS APPLICATIONS; BIBLIOGRAPHY AND ABSTRACTS 1932-1938. O. J. Walker. London, A Hilger, Ltd., 1939. QC 437; W 183.

ELECTRIC AND MAGNETIC FIELDS. Third edition. S. S. Atwood. N.Y., Wiley, 1949. QC 521; A 886.

FLUORESCENCE AND PHOSPHORESCENCE. Peter Pringsheim. N.Y., Interscience, 1949. QC 477; P 957.

MANUAL OF SPECTROSCOPY. T. A. Cutting. Brooklyn, Chemical Pub. Co., 1949. QC 451; C 991.

TWO LECTURES; 1. THE PRESENT SITUATION IN THE THEORY OF ELEMENTARY PARTICLES. 2. ELECTRON THEORY OF SUPERCONDUCTIVITY. W. Heisenberg. Cambridge University Press, 1949. QC 173.1; H 473.

CHEMISTRY

TRANSLATION OF SECTIONS ON GLYCERINE AND SOME GLYCERINE DERIVATIVES. From BEILSTEIN'S HANDBOOK OF ORGANIC CHEMISTRY. N.Y., Glycerine Research Committee of the Association of American Soap and Glycerine Producers, Inc., February, 1949. QD 305.A4; B 422.

EINFUHRUNG IN DIE QUALITATIVE CHEMISCH ANALYSE. R. Fresenius and H. A. Gehring. Braunschweig, Friedr. Vieweg and Sohn, 1948. QD 81; 884.

HANDBOOK OF CHEMISTRY. Seventh edition. N. Lang, compiler and editor. Sandusky, Ohio, Handbook Publishers, 1949. QD 65; L 274; Reference.

TECHNIQUES GENERALES DU LABORATOIRE DE PHYSIQUE. Vol. 1. J. Surugue. Paris, Imprimerie Nationale, Centre de Documentation du C.N.R.S., 1947. QD 63.G5; S 963.

THE TRANSURANIUM ELEMENTS. G. T. Seaborg, J. J. Katz and W. M. Manning, editors. N.Y., McGraw, 1949. National Nuclear Energy Series: Div. IV, Vol. 14B, Part 1. QD 181.P9; S 438.

TECHNOLOGY

THE CERAMIC ARTS. W. H. Johnson and L. V. Newkirk. N.Y., Macmillan, 1949. TP 807; J 71.

ELECTRICAL TRANSMISSION OF POWER AND SIGNALS. E. W. Kimbark. N.Y., Wiley, 1949. TK 3001; K 49.

ELECTRONICS; EXPERIMENTAL TECHNIQUES. W. C. Elmore and M. Sands. N.Y., McGraw, 1949. National Nuclear Energy Series: Div. V, Vol. 1. TK 7803; E 48.

GUIDEBOOK AND DIRECTORY FOR THE METAL FINISHING INDUSTRIES. W. A. Raymond, editor. 18th edition. N.Y., Finishing Pubs., Inc., 1949. TS 213; G 946; Reference.

HANDBOOK OF INDUSTRIAL ELECTROPLATING. E. A. Ollard and E. B. Smith. London, L. Cassier Co., 1947. TS 670; 0 51.

YEARBOOK OF RADIO ENGINEERS. 1949. Institute of Radio Engineers. N.Y., IRE, 1949. TK 6542; I 59; Reference.

METAL RECTIFIERS. H. K.

Safety-Minded Y-12 Employees Well Qualified To Lead Fight Against Accidents Inside And Outside Of Homes, On Streets



News around Y-12 seemed right scarce last week—very likely because of the ain't fittin' for man nor beast weather that prevailed hereabouts. If anybody showed up missing they probably had prowled up to the Smokies and told a bear to move over in the hollow log.

Katie Williams, of the Uranium Control and Computing Department, is sporting a new 1950 Ford . . . Edna Cate and her husband attended the Carson-Newman College senior banquet in Gatinsburg January 7 . . . Gwinn Harmon has been called home to Fayetteville, N. C. because of the illness of her mother and all department members extend best wishes for a quick recovery.

The Assay Laboratory reports Eula Hayes spent last week end in Morristown . . . Agnes Johnson was in Johnson City at the same time . . . T. I. Knisley went over to Corryton for that week end . . . Annie Rogers and Marcelle Ferguson went to their homes in South Carolina over the January 14 week end . . . The department extends get well wishes to Frances Skeen, who is on the sick list . . . Jo Wright, a former employee in the department, visited Annie Rogers recently . . . Jaunita Hendon spent a recent week end in Birmingham . . . Mary Katherine Householder was host at her home in Pigeon Forge Sunday, January 7, to Virginia Hill, Agnes Johnson, Olean Rutland and Gorman Hill a former department member.

Plant Engineering is congratulating W. T. Jones and Mrs. Jones over the birth of a baby boy born January 2 at Sweetwater. He weighed in at seven pounds, 14 ounces and has been named Thomas Ray Jones.

Harping back to that weather of last Thursday several Y-12ers tried to figure how to swap off the East Tennessee downpour to Thirsty Thursday New York for anything of value . . . One gent remarked that he knew it was raining cats and dogs outside because there were a lot of poodles outside his window. Ouch!

It is noted by the papers that S. W. (Sid) Sayre and David C. Hull, former Y-12ers under the Tennessee Eastman regime, have been assigned by TEC to its new plant in Longview, Tex. Sayre was assistant office manager of Y-12 while here and Hull was a chemical

production director.

The Laundry extends deepest sympathy to Nancy Case over the recent death of her father . . . Lucy Hawkins is back on the job after several days illness . . . The department wishes a speedy recovery for Lula Leslie.

The Guard Department is joined by the many other friends of Capt. H. L. Dickenson in extending sympathy over the death of his mother recently in Morristown . . . T. R. Smith spent a quiet vacation in Oak Ridge . . . Get well wishes are extended by the department to C. R. Lively, who is ill of pneumonia.

Fred Morrow, of Field Maintenance, spent a vacation in Georgia. Towns E. Curtis is back at work in the Stores Department after an extended illness that included a siege in the Oak Ridge Hospital . . . C. M. Miller is enjoying his new home near Oliver Springs into which he moved during a recent vacation . . . J. D. Hayes is recuperating from a recent illness at his home, 149 Pembroke Road, in Oak Ridge.

Maola Connor, of Manufacturing Offices, is on the sick list at her home in Lenoir City and the department has extended wishes for a rapid recovery.

Capt. C. C. Huffman of the Y-12 Fire Department, attended a firemen's instructors conference in Memphis from January 9 through January 13. Maybe even the foul Oak Ridge weather might look good if he was in Memphis during the sleet storms.

The following Y-12 employees were patients in the Oak Ridge Hospital last week: Donald G. Hill, Superintendents; Newton A. Stone, Isotope Research and Production; Everett Smith, Buildings and Grounds; Frances M. Skeen, Assay Laboratory; Daisy F. Whitehead, Medical.

Recent news stories have quoted a group of British scientists as being convinced that atomic explosions affect weather. The group plans to issue a report showing how the world's weather has been upset since man has been making atomic explosions.



Wives of Carbide employees in Y-12 have been invited to the meeting of the Carbide Wives to be held at 7:30 o'clock tonight, January 18, in the East Lounge of the Ridge Recreation Hall. Mrs. C. B. Mills, member of the executive board of the organization, will be in charge. Hostesses will include Mesdames L. A. Myers, C. E. Newton, Charles Horton, E. E. McCombs, C. W. Terry, Woodford Terry and J. W. Charles, Jr.

Mrs. Charles B. Clifford recently was installed as president of the Carbide Wives, Mrs. Robert Atterberry as secretary and Mrs. C. Paul Johnston as treasurer.

At the meeting tonight bridge and rummy will be played.

Y-12 employees are well qualified to lead the fight against accidents in and around the home. By applying the very same safety rules used here at work, you have the weapons to reduce the statistics which show that more accidents occur in the home than anywhere else.

If there are children in the family, be especially careful to see that your ways of doing things are safe. Children are inclined to copy behavior of their elders, perhaps more than you realize. Telling a child to cross the street only on the green light is a waste of effort if he sees you dashing across on the red. You must set safe examples.

This check-list will serve as a guide in organizing a family safety campaign. You, however, must be the driving force behind "Operation Safety."

House Precautions Suggested

Keep all medicines, poisons, insecticides, and cleaning fluids in a safe place—out of the reach of young children.

See that all rugs are secure and have pads underneath to keep them from slipping.

Read labels carefully and the directions twice when using medicine.

Use a rubber mat or towel in the bathtub to prevent slipping.

Keep stairways and floors free of articles such as toys, brooms, and mops over which people might fall.

Outside The House Ideas

See that hoes and rakes are never left with the sharp edges up, and that nails are removed from broken boxes and boards.

Leave garage doors open whenever an automobile engine is running.

Proceed slowly when driving an automobile in and out of driveway to make sure no one is in the way, and sound the horn.

Keep garage and cellar doors closed when not in use.

Be sure clothes lines are strung high enough to prevent anyone from running into them.

Streets And Sidewalks

See that the whole family crosses at intersections only and always with the light.

Don't jaywalk; never cross the street from behind a parked car or truck.

Keep your car in safe operating condition.

Obeey all traffic rules, signs, and signals and stay within safe speeds.

Keep your mind on your driving—watch the road!

There are undoubtedly many other hazards in homes and the neighborhood not mentioned in this check-list. Common sense, good housekeeping, cooperation and watchfulness form the basis for a successful safety campaign.

Dr. D. K. Holmes Will Lead Physics Seminar Discussion

Dr. D. K. Holmes, of the Oak Ridge National Laboratory Physics Division, will lead the discussion at the weekly meeting of the Oak Ridge Physics Seminar scheduled for 4 o'clock Friday afternoon, January 20. The seminar session will be held in the East Lounge of the Ridge Recreation Hall.

The topic of the meeting will be "Electronic Structure of Pure Silicon Crystals." Scientific and technical personnel of Y-12 interested in the subject are invited to attend the session.

Wives Of Y-12ers Invited To Party

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Work On South Illinois Ave. Short Cut May Start Soon

Construction work on a new highway to be known as South Illinois Ave. that will cut considerable distance between Y-12 and points in the western section of Oak Ridge, is expected to begin soon. The Atomic Energy Commission has announced that the low bid of \$147,727 by the Harrison Construction Co., of Maryville, Tenn., now is being reviewed. The new road will be completed in approximately nine months.

South Illinois Ave. will begin near the Gamble Valley coal yard and extend northwestwardly to Illinois Ave. at the Oak Ridge Turnpike. The new construction will be about one mile in length and it will run into an existing road connecting with the Scarboro Road just north of the Oak Ridge Institute of Nuclear Studies headquarters.

With work beginning on this traffic artery and another highway linking Scarboro Road with Vermont Gateway at the Turnpike now under construction, Scarboro Road will be closed from a point north of the outdoor theater to the Turnpike for the new shopping center, site preparation for which now is underway.

Several Y-12ers May Perform In Lions Club Minstrel Show

Several Y-12 members of the Oak Ridge Lions Club are expected to be in the cast of the annual minstrel show sponsored by the club and scheduled for presentation February 28, March 1, 2, 3 and 4. L. O. W. Bonham, formerly of Y-12, whose soft shoe dancing has been a feature of the past performances given by the club, is director of the production this year. He now is with the Oak Ridge National Laboratory.

The minstrel show will be given at the Oak Ridge High School Auditorium. The performance on February 28 will be a dress rehearsal and general admission tickets will be sold by club members for the remaining four performances.

Rehearsals began January 10 at Willowbrook School and will be held once weekly for the rest of January and twice weekly in February.

Paper Sees Hope For Atom Control

The New York Herald Tribune, one of the nation's leading newspapers, recently observed its belief that the international situation created by the report Russia now has the knowledge of how to produce atomic weapons might cause the Kremlin to move closer to an atomic control program approved by a majority of the United Nations. The Herald Tribune also maintains that even if Russia has the atomic weapon secret it is no reason for the United States to accept a looser system of control or inspection under the United Nations proposal, or to accept the Russian proposal to destroy its own atomic bombs.

F. L. Culler Now At Arco Station

The Atomic Energy Commission has announced that F. L. Culler, a former Y-12er and now a chemical engineer in the Reactor Engineering Division of the Oak Ridge National Laboratory, has been appointed on an advisory committee to assist in planning facilities for chemical and metallurgical operations at the Arco, Idaho, station of the AEC.

They Fell For 'Fiz,' Pins, That Is; 'W' Bowlers Topple Many Marks

Records fell like California pedestrians in radio jokes last Wednesday night when the W League of Y-12 women keglers scorched the Jefferson hard wood for a host of new marks. Evelyn "Fiz" Tucker, rolling for the Kemps, set what may be a new all-time record for Y-12 feminine bowlers when she blazed away with a 202 scratch single game, boosted to 261 with handicap, both scores being far ahead of anything yet posted this season in the league. She also got a 425 scratch series but Rankin of the Spinners, prevented a clean sweep as she topped the handicap series scorers for the



"Fiz" Tucker

night with 604. When the battered pins stopped falling last week four teams were tied for first place and two more deadlocked for the next rung on the ladder. The Controllers swept three from the Spinners and the Kemps took the Rattlers by the same margin. The Woes took the Dodgers for two and the Hi Balls had a similar win over the Pick Ups. The Woes took most team scoring honors for the engagement. They posted a 732 scratch single game, 1,001 handicap game and 2,788 handicap series. The Controllers got the best scratch series score of 1,986. All of the team scores were high for the second round of play.

League standing follows:

Team	W	L	Team	W	L
Dodgers	4	2	Hi Balls	3	3
Pick Ups	4	2	Kemps	3	3
Woes	4	2	Rattlers	2	4
Controllers	4	2	Spinners	0	0

Termites Trounce Strikers, Win Second Round Honors In D Loop

Gnawing savagely at the pins, the Termites rose to top heights of the season last week by thoroughly trouncing the Strikers for an overwhelming whitewash victory to take first place in the second round of the D League of plant bowlers. The Strikers had won the first round title and at the beginning of hostilities last week were tied for first place with the Termites—but the Termites would have none of that and banged out a margin of more than 400 pins over their opponents.

The four-point loss plunged the Termites to a third place tie as the Overheads climbed up to second by downing the Materializers for three points. The Old Men took three points from the Splinters and the Angstroms upset the Isotopes by the same score.

Termites Sweep Scoring Honors

The Termites rolled handicap games of 1,001, 1,114, and 1,014 for a total of 3,129, the high score for the night. The team also swept other scoring honors with a 971 scratch single game, 2,708 scratch series and the 1,114 handicap single game also was tops for the night.

Ernie Cobble led his Termite teammates and the league with a 576 scratch series, and was followed by Frank Gragg with 544, Sky Barker 533, Wes Savage 531 and Richard Dew and George Banic 533 each. Cobble's 633 handicap series and Dew's 269 handicap single game, based on a neat 225 scratch score, also were tops for the loop.

Tibbatts Has 228 Scratch Game

Nelson Tibbatts of the Overheads, posted high scratch single game of the night of 228, boosted to 254 with handicap, to clinch victory for the Overheads in their third game against the Materializers, putting the losers in a tie with the Strikers for third place. Clyde Bowles had a 176 scratch average and Leo Hemphill and Elmore Koons also bowled well for the winners. Bob Kelly, John Ramsey and Fred Boody helped the Materializers win their lone point.

The Old Men, with Bill Davis and Lyle Overholser leading the way, took their three points from the Splinters in fairly easy style. Leo Caldwell and Harold Ratjen staved off a shutout for the Splinters.

Angstroms Win Consolation Tilt

In the consolation battle between the Angstroms and Isotopes, Paul Griffin and Lew Twitchell bowled well for the winners while Woody Davis, Paul Dunn and Paul Wilkinson posted best scores for the vanquished.

The Termites' high handicap game and series for the night also were high for the second round of play. Leonard Crawford, of the Overheads, had the best single handicap game of the round with 272, the individual handicap series honors of the round went to Red Wiest, of the Splinters, with 692 and the scratch game, series and average prizes went to Frank Gragg, of the Termites on figures of 237, 585 and 178.

League standing at the end of the second round follows:

Team	W	L	Team	W	L
Termites	22	10	Old Men	16	16
Overheads	19	13	Splinters	14	18
Strikers	18	14	Isotopes	12	20
Materializers	18	14	Angstroms	9	23

SPORTS NEWS

Hurricanes Harass Records In C Circuit

The Hurricanes blew themselves all the way from seventh to a tie for fourth place in the second half of the C League race last week by taking three out of four points from the Orphans and setting new individual and team scoring marks for the period of play. Meanwhile the Hooks and Guards, tied for fourth and fifth places the preceding week, each took four points from the Thin Pins and Moles, respectively, to jump all the way up to a tie for the top rung as the Orphans dropped down from first to third. In the other league clash the Short Circuits abandoned last place by stinging the Hornets for three points.

Al Townsend was the big wind on the Hurricane team. He blasted out a 219 scratch single game, boosted it to 260 with handicap and went on to post a 522 scratch series and 645 handicap series. All were tops for the second half of play.

In team scores the Hurricanes, paced by Townsend's fine bowling, knocked out a 903 scratch game, 1,117 handicap game, 2,351 scratch series and 2,993 handicap series, also all tops for the period of play.

League standing follows:

Team	W	L	Team	W	L
Hooks	6	2	Hornets	4	4
Guards	6	2	Short Circuits	3	5
Orphans	5	3	Thin Pins	3	5
Hurricanes	4	4	Moles	1	7

ORNL Feminine Bowlers Trim Y-12ers In Three Clashes

The Oak Ridge National Laboratory womens' varsity bowling team nosed out the Y-12 lassies last Thursday night for three games to gain a tie for top place in the Oak Ridge City League with Tulip Town.

After ORNL had taken the first game by 667 to 648, a 19-pin margin, Y-12 came back strong and lost the second game by only one pin, 692 to 691. However, the Y-12ers faded in the final engagement and were trimmed by 685 to 634. The team scores were 2,044 for ORNL and 1,973 for Y-12.

Ruth Law paced the losers with 156, 148, 130—434; followed by Daisy Ward with 148, 124, 132—404; Betty Sherman 117, 153, 123—393; Margaret O'Neal 133, 120, 123—376; Olyne Poindexter 94, 146, 122—362.

The longest five years in a woman's life are between 29 and 30.

Cards Lose Pair, Robins Divide; Cage Schedule Light For Y-12ers

Under the revised schedule of the Oak Ridge City League both the Y-12 Cardinals and Robins will have quite a period of loafing to enable the rest of the teams to catch up with the red and white in number of games played. The Cardinals will meet the Southern Bell quintet at 9:15 o'clock Friday night in their only game before next Friday, January 27, and the Robins will not play again until next Thursday, January 26, when they tackle ORNL at 8 o'clock. The Cardinals will play at the Jefferson Junior High School and the Robins at the Oak Ridge High School.

The Cardinals will be out to take an edge in their series against the Southern Bell outfit, as each team has won one previous clash in league play. Coach Frank (Father Time) Darby hopes to have his lads in good shape for this one after losing a pair last week.

Cards Show Courage In Game

The Cards showed courage last week in coming back to push K-25 to an overtime period before losing by 34 to 32. In their previous encounter against Trico the Y-12ers had absorbed a 62 to 27 licking in their most inept exhibition of the year. However, in the K-25 clash the Cards showed their best teamwork of the year and held a 21 to 15 half-time margin. However, the K-25s came back strong to trail by only one point at the three-quarter pole and managed to tie the contest in a nip and tuck fourth period, then go on to score four points to two for Y-12 in the overtime. Hooper paced the Cards with 10 points and played a tight defensive game. Howard and Oliphant each got eight points.

The Robins gave Y-12 an even split when they trimmed the K-25 lassies by 31 to 24. Helen Brown led the Y-12ers in scoring with 10 points and every player used managed to swish the ball through the nets. Peggy Dickens and Judy Butler each got six, Virginia Bowers three and Shirley Brown, Jerry Kropowski and Gladys Carpenter two each.

Robins Lose to R-A Lassies

The Robins tried hard against the league-leading Roane-Anderson lassies last Friday but were handed a 41 to 24 defeat. However the clash was not nearly as bad as the score indicates. The Robins got away to a bad start, trailing 10 to 2 at the quarter. Then for the next two periods the red and white had command of the game, having a deficit of 17 to 10 at half-time and coming up to lag by only 25 to 22 at the end of the third period. This effort seemed to tire the Robins, however, as they faded badly in the final session.

Birds And Jays Meet Thursday In Cage Clash

The Speckled Birds went into a tie with the AEC for second place in the Oak Ridge Recreation Basketball League race last week by trouncing the Oak Ridge National Laboratory Chemists by 42 to 29. However, the Blue Jays dropped back to third place by losing to AEC in a thriller by 34 to 33, giving the AEC lads a tie with the Jays. Barber Buick kept the loop lead by defeating ORNL Instruments.

The two Y-12 teams will meet each other at 8 o'clock Thursday night. The ORNL teams will meet in the opener at 7 o'clock while Barber Buick and AEC tangle in the nightcap at 9 o'clock. The schedule for Monday night of this week pitted the Instruments against the Blue Jays, Barber against the Chemists and the Speckled Birds against AEC.

League standing, as of last Friday, follows:

Team	W	L	Team	W	L
Barber Buick	5	0	Blue Jays	2	3
Speckled Birds	3	2	Chemists	1	4
AEC	3	2	Instruments	1	4

Men's Varsity Bowling Team Slices Delicatessen Keglers

After losing the first game, the Y-12 men varsity bowlers came back strong on Monday night, January 9, to defeat the Grove

Comets, Bumpers Tied; B Loop Race Tightened

The Comets soared to a tie with the Bumpers in the B League last Thursday night by handing the Bums a four-point trouncing while the Bumpers could only gain three points from the Cubs. The Mules and All Stars tightened the race considerably by taking three and four points from the Maintenance and Wolves, respectively. In other matches the Tigers ripped the Rippers for four and the Head Pins took three from One-91.

In jumping from sixth to fourth place the All Stars set new second round records with a scratch series of 2,575, handicap series of 3,058 and a handicap single game of 1,040. The Wolves posted the best scratch single game of the night with 886.

In individual scoring Freels, of the Tigers, and Whitaker, of the All Stars, each tallied scratch games of 211. However, McBirney, of the Head Pins, had the best handicap single game of 225. Ernie Cobble, of the Wolves, came through with the top scratch series of 565 but was topped by Gillihan, of the Tigers, with a handicap series of 658.

League standing follows:

Team	W	L	Team	W	L
Comets	20	8	Cubs	14	14
Bumpers	20	8	Tigers	13	15
Mules	18	10	One-91	10	18
All Stars	16	12	Maintenance	10	18
Wolves	15	13	Rippers	10	18
Head Pins	14	14	Bums	8	20

Y-12ers Defeat Fairchild Squad In Badminton

The Y-12 badminton team wound up in second place in the first half of the Oak Ridge City League season last Thursday night by walloping the Fairchild squad by 11 matches to two. The Fairchild folks could win only one men's singles and one men's doubles matches. The second half of the season will get underway Thursday night, January 26, at the Jefferson Junior High School when Y-12 will meet the first-half champions ORNL.

In the tilts against Fairchild in men's singles Mal Wallis beat Jones 15-7, 15-2; A. Vallado beat Wardell 15-9, 15-1; and Joe Culver beat Poole 15-5, 15-8 for Y-12 victories. Jarrett, of Fairchild, beat Fred Hurst 17-15, 15-5. Wardell and Becker beat Vallada and Culver in men's doubles 15-9, 11-5, 15-11.

Y-12 swept all other matches. In womens' singles L. Vallado beat Armstrong 11-5, 11-2; Marjorie Wallace beat Ingram 11-2, 11-1; and Phyllis Wallis beat Harvey 11-1, 11-1. In womens' doubles Wallis and Wallace beat Ingram and Armstrong 15-10, 15-3. Mixed doubles matches saw Wallis and Wallis defeat Becker and Harvey 15-7, 15-6; Vallado and Vallado trimming Jones and Ingram 15-9, 15-2; and Wallace and Wallace beating Poole and Armstrong 15-2, 15-0.

Delicatessen keglers in the final two contests and chalked up three points to the good. The league did not bowl the two previous Monday nights because of the holiday season. Grove took the first tilt by 839 to 817 but the Y-12ers rallied for 887-812 and 776-740 wins to outscore their foes by 2,480 to 2,391.

Frank Gragg topped the Y-12 scorers with 174, 203, 195—572; was followed by Ernie Cobble 170, 166, 158—494; Conrad Roberts 168, 187, 134—489; Nelson Tibbatts 152, 148, 169—469; and Elmore Koons 153, 183, 120—456.

The way to fight a woman is with your hat. Grab it and run.



6-1075

Y-12 Photos By Vince Moore

THE TERMITES BOWLING TEAM OF THE D LEAGUE was snapped by the cameraman just after it had won the second round championship in the league last week with record-breaking scores. In front are Ernie Cobble and Sky Barker proudly displaying the team scores of the night while in the back row, from left, are Wes Savage, George Banic, Frank Gragg and Bill Tunnell.

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Navigation Aids Devised By Y-12's Rathkamp Entered In New York Show By Power Squadron

Two unique aids for marine navigators perfected by W. R. Rathkamp, of the Y-12 Isotope Research and Production Departments, were on display last week in the annual national convention of the United States Power Squadron in New York City. W. C. Tunnell, also of Y-12 and commander of the Oak Ridge Power Squadron, a member of the national organization, believes that the two devices will bring national prizes and recognition to the Oak Ridge group.

One of the gadgets is a visual aid that shows various kinds of buoys, range lights, lighthouses

and other markers encountered by operators of boats of all kinds. This device is 42 inches long, 38 inches wide and four inches thick. It is made of plywood and has lights that blink authentically. The other entry by Rathkamp is a bubble sextant converted from an Army Air Force sextant for marine use and utilizing a natural horizon. It has an accuracy of one minute or better.

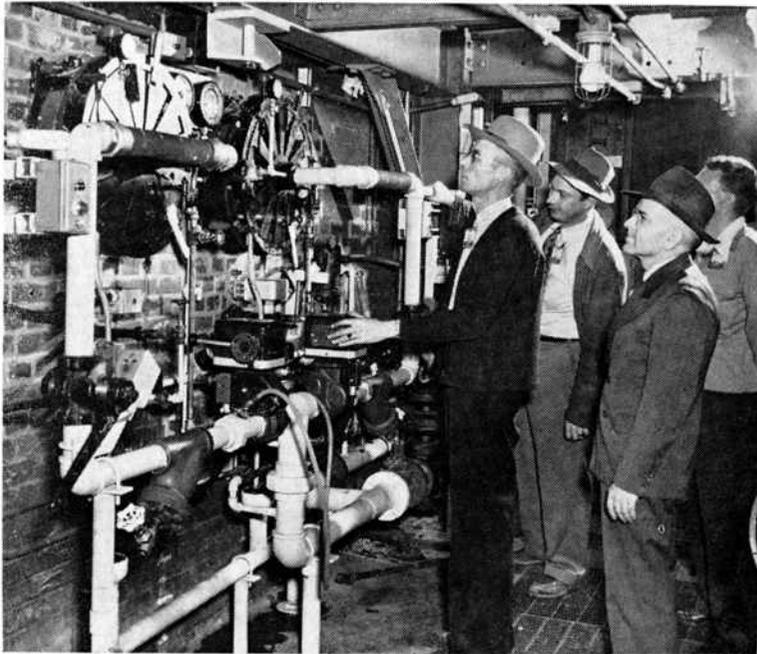
Rathkamp's entries competed with other devices entered by Power Squadron units from throughout the country in the New York exhibit. In addition to the two Rathkamp devices, the Oak Ridge group had on display the

John Angele Trophy offered by G. J. Angele, another Y-12er and vice commander of the squadron, for Sunray type sail boat racing. This trophy now is held by George Lockhart, of Y-12.

Also on display at New York is the plaque presented by the local squadron to Fred Franklin, twice former commander of the group and now a resident of New Jersey. Franklin is representing the Oak Ridge squadron at the meeting.

The Oak Ridge Power Squadron held a business meeting and party last Friday night when Commander Tunnell presented a proposed program for the year for discussion.

6-1076



Y-12 Photos By Vince Moore

A. H. NORMAN, STEAM PLANT ENGINEER, LEFT, AND Engineering Division personnel look over the combustion controls as the natural gas burners were placed in service in the Y-12 No. 2 Steam Plant. Behind Norman, from left, are Charles Kasperek, field engineer; Howard L. Martin, design engineer; and Maurice Bridges (face not showing) engineering draftsman. Kasperek, Martin and Bridges, with Norman, supervised installation, design and drawing plans for the new gas burning equipment.

Community Chorus Invites Y-12 Singers To Join Group

The Oak Ridge Community Chorus, rehearsing for its presentation of the "Faure Requiem" April 1, again has extended an invitation to any Y-12 singers who would like to participate in the group activities to join the organization. Male voices are particularly needed, chorus officers have announced.

Rehearsals are held at 7:30 o'clock every Monday night at the small auditorium of the Jefferson Junior High School under the leadership of Director John K. Krueger. New members who wish to appear in the April 1 concert must join the chorus by February 1 because of the time required to master the intricate offering scheduled for the April 1 performance.

Present Y-12 members of the Community Chorus include Jean Rogers, Phyllis Finneran, Beatrice Cameron, John Redmon, William Ward, Eileen Slaughter, George Nettle and R. L. Knight.

Early Trip To Housing Office Will Expedite Moving Plans

All Y-12ers residing in the 72 flat-top dwellings to be removed by the Atomic Energy Commission who have received moving notices from the Roane-Anderson Co., are asked to communicate as soon as possible with the Y-12 Housing Office, North Portal, to expedite arrangements for new housing accommodations if they are desired in Oak Ridge.

The 72 flat-top dwellings are to be replaced by 50 new permanent type homes on which bids for construction will be asked soon. Occupants of the flat-tops to be removed will be asked to move out before February 28 as these houses will be sold and removed soon after that date.

You can be the judge of the wheels that a man has in his head by the spokes that come out of his mouth.



Early Visit To Safety Lane Urged To Avoid Late Rush

All Y-12 owners of motor vehicles who have not obtained the new Oak Ridge safety lane stickers for the first half of 1950 are urged to do so as soon as possible to avoid the usual late rush.

The safety lane on East Division Road is open daily except Sundays and Mondays from 9:15 a.m. to 1:15 p.m. and from 2 p.m. to 6 p.m. The lane will remain open until March 25.

A thorough check is made of brakes, lights, horn, windshield wipers and other parts of the vehicle that, if faulty, might cause an accident.

JUST LIKE GRABLE?

A graceful and curvaceous clothespin may dress up the nation's clotheslines, the National Patent Council reports. The new pin, made of plastic, is all in one piece. It consists of a head, one long leg and one short leg. The long leg projects downward in a straight line from the head. The short leg first angles outward and then inward. Its design provides the clamping action. The edges are rolled to prevent snagging.

Electricians Again Report 'All Present'

(Continued From Page 1)

ment replaced Dept. 2077. The Guards also reporting no absenteeism for that week.

Newcomers In Top Bracket

Newcomers took second and third places in the Major League standings for the week ending January 8. Isotope Research and Production advanced from ninth place to second and reported an even one per cent of its personnel absent. In third place was Chemical Research with an absentee mark of 1.5 per cent and which was in fifth place the preceding week.

Seven Minor League Departments reported perfect attendance records for the week ending January 8, five of them repeaters from the preceding week. The repeaters were Maintenance Utilities, Employee Relations, Transportation, Chemical and Steam Plant. Joining these departments were Receiving and Shipping, advancing from sixth place held the preceding week; and Property, in seventh place for the week ending January 1.

Lower Departments Make Gains

Second and third places in the Minor League also were taken over by newcomers to the top ratings. Cafeteria and Canteens reported 1.1 per cent of its employees absent to occupy second place, advancing from fourth. The Technical Service Laboratory had an absentee mark of 1.3 per cent to take over third place, rising from eighth.

The plant absentee record for the week ending January 8 was 2.5 per cent, remaining the same as the previous week. The record, by departments, follows:

MAJOR LEAGUE			
Dept.	Percentage		Standing
	Absent	Scheduled	
2077	0.0	1-8-50	1-1-50
2360	0.0	2	9
2300	1.5	3	5
2003	1.6	4	8
2015	2.35	5	7
2616	2.43	6	6
2014	2.47	7	10
2282	2.53	8	2
2320	2.6	9	4
2091	3.2	10	1
2283	4.9	11	12
2142	8.1	12	11

Group absentee percentage was 2.5 per cent, .2 per cent lower than the preceding week.

MINOR LEAGUE			
Dept.	Percentage		Standing
	Absent	Scheduled	
2005	0.0	1-8-50	1-1-50
2109	0.0	1	1
2008	0.0	1	1
2619	0.0	1	1
2743	0.0	1	1
2143	0.0	1	6
2140	0.0	1	7
2107	1.1	2	4
2270	1.3	3	8
2093	1.6	4	3
2739	1.8	5	1
2001	2.2	6	2
2060	2.3	7	6
2200	3.0	8	1
2002	3.9	9	5
2133	7.7	10	11
2009	8.5	11	9
2090	13.3	12	10
2096	16.7	13	10

Group absentee percentage was 2.6 per cent, .5 per cent higher than the preceding week.

The plant average for the week ending January 8 was 2.5 per cent, remaining the same as the preceding week.

When you educate a man you educate an individual; when you educate a woman you educate a whole family.

Denny Starts New Year Right With Fine Catch

Everything appears rosy in the piscatorial picture for 1950 for C. M. Denny, down in the Product Chemical Department, who is hoping that the fine New Year's Day start he achieved will be repeated on other trips to the fishing spots this year.

Taking advantage of the January 1 holiday C. M. Denny

Denny decided to wet a line in the Clinch River just outside Elza Gate. He was using a fly rod with a two pound test leader and a flicker spinner with a pork rind bait. This combination proved highly successful two times in quick succession as a pair of fine big bass couldn't resist the lure and were yanked to their doom. The fish, shown in the accompanying picture, weighed four pounds and 10 ounces and three pounds and seven ounces respectively.

That satisfied Denny for the day but he hopes to be able to top the fish tale recently told by H. C. Nichols, a fellow employee in Product Chemical. Nichols vows that while duck hunting he shot a water hawk that was carrying two big fish in its beak and as a result of his marksmanship came home with duck, hawk and fish for supper.

The field is wide open for anyone who wants to try to top that one.

Let's have 'em, preferably with pictures.



W. D. Lavers New Y-12 Area Superintendent

(Continued From Page 1)

his second term as president of the Oak Ridge Golf and Country Club. He also is a firm supporter of the Boy Scout movement in which two of his three young sons are active. There are few more enthusiastic sports fans in Oak Ridge, with his particular favorite being golf.

Mrs. Lavers also is active in community affairs. She has appeared in several local musical productions with the Community Chorus. The Lavers have three sons, Lawrence, 12; Donald, 10; and Richard, two.

Formerly With TVA Projects

Before coming to Y-12, Mr. Lavers was with the Tennessee Valley Authority for several years. While with the TVA he was engaged in construction and engineering activities at Norris, Chickamauga, Kentucky and South Holston Dams. Prior to his work with TVA he was with Stone and Webster for some time.

Mr. Lavers received his Bachelor of Civil Engineering degree at Northeastern University, Boston, Mass., in 1926 after graduating from the Salem, Mass., High School four years previously. He is a member of the American Society of Civil Engineers and takes an active part in the work of the Oak Ridge chapter of the organization.

Dr. Larson Also 'Old Timer'

Dr. Larson is another veteran of service in Y-12, coming here even before Mr. Lavers. Dr. Larson came to the plant July 1, 1943, and became Director of the Research and Development Division before being appointed Y-12 Superintendent on February 10, 1948.

Dr. Larson graduated from the University of Minnesota in 1932, majoring in chemistry. After his graduation he went to the University of California at Berkeley, where he received his Ph.D. degree in chemistry in 1937.

With Radiation Laboratory

He then became professor of chemistry and later Chairman of the Chemical Department of the College of the Pacific at Stockton, Cal. When the United States entered World War II he took a position with the Radiation Laboratory of the University of California, where he remained until coming to Oak Ridge.

Like Mr. Lavers, Dr. Larson is a golf fan and takes advantage of every opportunity to engage in the game. He formerly was quite a tennis enthusiast.

Dr. Larson is married and has one son, Bobby (a newspaperman in his own right.) Mrs. Larson is active in the work of the Oak Ridge Garden Club and other women's groups in the city.

Bicycle Classes Set For Youngsters

Children of Y-12 parents residing in the Highland View School district now may receive training in bicycle riding, traffic rules and regulations. Classes are scheduled for January 21, January 28 and February 4. Bicycles will be inspected for safety purposes and instruction will cover care and maintenance.

Camera Club Members Planning '50 Program

(Continued From Page 1)

tromagnetic Research Laboratory. His prize-winning silhouette black and white print showed a locust on a tree limb against a cloud background. It was a composite print using two negatives. Second place went to K. W. Jamison, of ORNL. Stetson took third place.

The Carbide Camera Club now has a membership of about 60 and officers of the group hope to raise this to around 100 before the year is ended. Membership dues are \$2 annually, payable January 1 and July 1. Meetings are held on the second Tuesday of every month.

Bright-Colored Cars Said Safer

The louder color of the automobile—the less the chance of an accident. John E. Wiley, engineer for the Wyoming state highway department, is quoted by United Press as saying that bright-colored vehicles are safer than those that match the landscape because they can be seen better by other drivers.

Wiley believes automobiles with natural colors such as gray, tan, light blue and light green can "sneak up" on other drivers.