



Y-12 BULLETIN

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

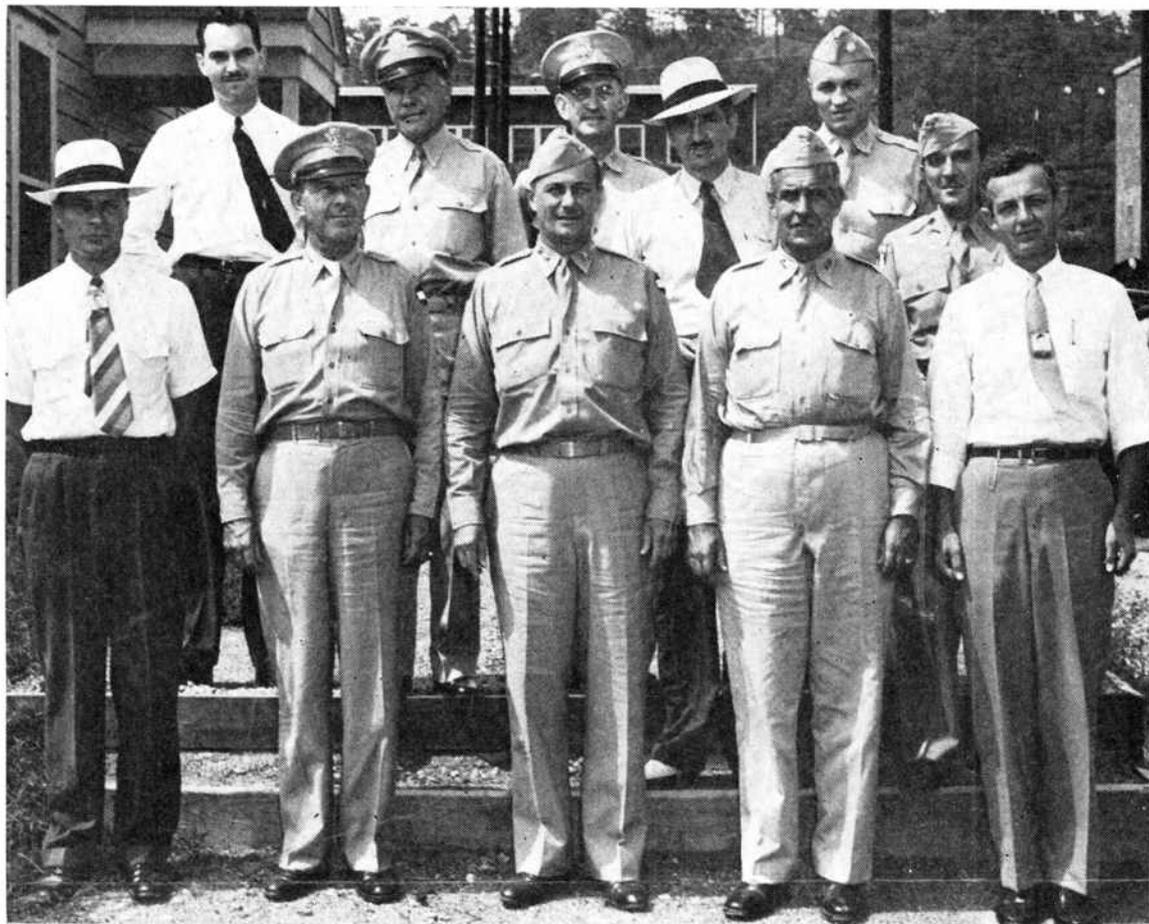


Volume 1—No. 17

OAK RIDGE, TENNESSEE

Tuesday, Sept. 2, 1947

Y-12 Is Host To Prominent Army Visitors



Y-12 was host to another group of prominent visitors last week when Gen. Jacob L. Devers, Commander of the ground forces of the United States Army; and Maj. Gen. Leslie R. Groves, Commander of the Armed Forces Special Weapons Project, were guests of Claude N. Rucker, Jr., Y-12 Superintendent, on an inspection tour of the plant. In the picture above, first row, left to right, are: F. H. Belcher, Chief of the Y-12 branch of the Clinton Production Division; General Devers, Maj. Gen. Charles L. Bolte, chief of staff to General Devers; General Groves and Mr. Rucker. Back row, left to right, are: B. W. Menke, Director of the Security Division of the Atomic Energy Commission in Oak Ridge; Brig. Gen. Doyle O. Hickey, member of General Devers' staff; Lieut. Col. W. R. Smith, Jr., Deputy Chief of Operations Division of the AEC; R. W. Cook, Area Manager of the Clinton Engineer Works; Lieut. Col. Kenneth E. Fields and Brig. Gen. George E. Armstrong, the latter two members of General Devers' staff.

Petition Withdrawal Spreads Holiday Pay

Withdrawal of the International Association of Machinists' petition to the National Labor Relations Board, requesting that they be certified as the bargaining agent for certain of Y-12 employees, was announced last Friday, August 29, by Claude N. Rucker, Jr., Y-12 Superintendent.

Mr. Rucker further stated that the withdrawal of the petition now will make it possible for employees covered by the petition to participate immediately in the new holiday pay plan if they are otherwise eligible.

As announced in The Y-12 Bulletin of August 26, these employees were not eligible at that time only because it would have been illegal for the Company to offer new benefits to any employee included in such a petition.

The new holiday plan became effective for Y-12 employees on August 31.

Newcomers Rise To Leadership In Plant Attendance Contest

(Picture on Page Three)

Three departments in the minor league, composed of groups with from 15 to 49 employees, reported perfect attendance records for the week ending August 24. None of the major league departments, composed of groups with more than 50 employees, had perfect marks for that week, although the leaders had low absentee figures for the period.

During the week ending August 24, several departments substantially boosted their records of the previous week, with the result that nearly all the leaders of the week ending August 17 were replaced.

One exception was Dept. A12N, General Maintenance Office, Planning and Estimating, which held first place in the minor league, with one of the three perfect records. Sharing top place with Dept. A12N were Dept. A12L, Employment; and Dept. A19N, Laundry. Dept. A12L jumped up from eighth place and Dept. A19N from tenth place in the previous week's standing.

Second place went to Dept. M12M with 1.1 per cent of its employees absent and third place to Dept. M14C with a record of 1.6.

In the major league, first place was taken by Dept. A14N, Electrical Equipment Repair and Maintenance, with an absentee percentage of 0.3. This department was in fifth place the week before. Second place in the major league was taken by Dept. M12P, Product Chemical, with an absentee mark of 0.9 and which rose from third place. Dept. M15C, Chemical Recycle in Bldg. 9204-3, reported 1.2 per cent of its employees absent and finished in third place with a jump from 11th place.

The plant absentee record for the week ending August 24 was three per cent, which was 0.4 per cent higher than the previous week.

The complete plant attendance record by departments appears on Page Three.

HENDERSON AT MEETING

G. C. Henderson, Y-12 Chief Safety Engineer and president of the Oak Ridge Junior Chamber of Commerce, attended meetings of the national board of directors of the Jaycees in Tulsa, Okla., August 29, 30 and 31. Henderson, who is on vacation, represented the Oak Ridge Jaycees at the meeting. John W. Tygard, also of Oak Ridge, represented the state of Tennessee at meetings of the national board.

Security Obligations Of Workers Stressed

It is the responsibility of each individual employee in Y-12 to become familiar with all security requirements of his job, according to the Security Office, which urges any employee who is not fully acquainted with these responsibilities to communicate with the office in the North Portal, telephone 7794.

It should be understood by each employee that observance of security regulations is not optional with the individual. Federal law requires that security of information concerning phases of atomic energy activities termed "restricted data" be controlled to insure the common defense and security of the United States.

It also is provided in the federal law that severe penalties may be imposed on anyone convicted of violating security regulations as set forth in the Atomic Energy Act of 1946.

Y-12 Employees Invited To Carbide Dance September 12

All Y-12 employees have been cordially invited by the Carbide Girls' Club of K-25 to attend a "sports dance" to be held by that organization Friday night, September 12, at the Grove Recreation Hall. Festivities will begin at 9 p. m. and continue until 1 a. m. Music will be provided by Coy Tucker's orchestra.

The affair is called a "sports dance" because it calls for guests to be garbed in sports wear, which probably will be welcomed by all male patrons of the function. Admission will be \$1 per person and tickets may be obtained from club members or at the door.

This dance is the first of a series planned by the Carbide Girls' Club to which Y-12 folks are invited.

Camera Club Plans Print Contest September 9—Subject—Babies

Proud parents in the Carbide Camera Club will be given an opportunity to display the charms of their progeny to fellow club members next Tuesday night, September 9, when the organization will stage a black and white print contest on the subject—Babies. The contest will be held in connection with the regular club meeting at 8 o'clock in the club rooms in the Y-12 East Portal building.

However, the subject matter of the photographs need not be children of members nor need the contestant even be a parent. The picture of any photogenic youngster may be entered and as such photography is popular with all camera enthusiasts it is expected a large number of entries will be received.

In a color slide contest last week Y-12 entrants took all top places with a number of excellent entries.

Results of Contest Given

Results of the contest follow: Landscapes and scenes: L. J. Brady, first and second; N. K. Bernander, third.

People: F. F. Calloway, first; N. K. Bernander, second; Virginia Spivey, third.

Miscellaneous: V. O. Haynes, first and third; N. K. Bernander, second.

PASS OFFICE MOVES

Persons living in the Grove Center area of Oak Ridge who wish to obtain visitors' passes now may do so at the new location of the office in the Post Office Building in that section. The station formerly was located in former police headquarters building at Grove Center.

Safety For School Children Urged

With approximately 6,500 school children expected to register this week for the fall term opening next Monday, September 8, Oak Ridge municipal and school officials have urged that the city's splendid traffic safety record be continued, and that motorists exercise extreme care when driving in the vicinity of schools or school buses.

As was the case last year, all school buses are plainly marked and drivers are warned that it is against the state law to pass any school bus when it is not in motion. Care also is urged of motor vehicle operators in watching for youngsters stepping into streets from sidewalks or curbs.

Oak Ridge schools for the second consecutive year have been listed on the honor roll of the National Safety Council for exceptional effort in safety education. The 12 Oak Ridge schools were the only ones in the state to receive the award.

Oak Ridge schools are in the best shape they have been in since the system was organized three years ago, according to Supt. R. H. Ostrander. Buildings and furniture have been renovated and repaired and new lighting fixtures installed.

Registration of students will be held at the high school, junior high school and elementary schools Tuesday, Wednesday and Thursday.

X-Ray Tests Will Begin In Ridge September 15

The four mobile X-Ray units provided by the United States Public Health Service to offer free examinations to Oak Ridge residents will begin operations in the city Monday, September 15. The examinations will be made to determine the incidence of tuberculosis in Oak Ridge and are open to all residents of the city more than 15 years old. Persons taking the examinations will not be required to disrobe, but must remove all metal objects from clothing during the X-Ray test.

William J. Hatfield and Theodore F. Hibbish, of the United States Public Health Service, head a committee that made arrangements for the test. The Oak Ridge Tuberculosis Association, civic groups and municipal officials have backed the project.

The mobile units will be stationed at different points throughout Oak Ridge as the press for examinations develop.

Y-12 Bulletin

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Association To Give Excellent Concerts

An attractive series of musical events for presentation in Oak Ridge during the coming season has been arranged by the Oak Ridge Symphony and Community Chorus, both now under sponsorship of the recently organized Oak Ridge Civic Music Association. The two musical groups will be heard collectively and individually in concerts and will cooperate with the Community Theater in staging Dickens' Christmas Carols during the holiday season.

Campaign Progressing Well

Meanwhile, the campaign of the Civic Music Association to provide moral and financial backing for the two musical groups so that

MUSICAL ORGANIZATIONS BEGIN REHEARSALS

Both the Oak Ridge Community Chorus and the Oak Ridge Symphony will begin rehearsals this week. The orchestra will practice at 8 o'clock Wednesday night in the high school cafeteria, while the chorus will meet at 7:30 o'clock Thursday night in the kindergarten room of the Elm Grove School.

All musically inclined employees in Y-12 are cordially invited to join with one of these organizations and attend the rehearsal sessions this week.

residents of the Atomic City may enjoy the best possible entertainment, is progressing nicely, according to officers of the association. The association is offering four types of annual memberships. They include regular for \$5, entitling holder to one reserved seat for each regular performance; student for \$2.50, a form of regular membership available only to secondary and primary students; patron for \$25, entitling holder to two reserved seats for each regular performance; and performing, a complimentary membership to the performers who receive no pay for their services.

A goal of 1,000 members has been set by the association, which is headed by Betty B. McCarthy. Waldo Cohn is director of the Oak Ridge Symphony and Donald Griser leads the Community Chorus.

First Concert Is Set

The first program to be given under association sponsorship will be offered Friday and Saturday nights, October 31 and November 1, at the high school auditorium. Both the orchestra and chorus will contribute to the program, the principal production being the "Scotch" Symphony by Mendelssohn.

A Christmas cantata will be staged by the Community Chorus December 12 and 13. The Christmas Carol production will be presented with both musical organizations and the Community Theater, December 18, 19 and 20.

The orchestra will take the spotlight in the January 16 and 17, 1948, concert, offering Brahms' B-Flat Piano Concerto, with Mrs. Helen Thackery as soloist. A young people's concert will be staged March 5 and 6 while on March 19 and 20 the chorus will give its annual light opera. Another joint performance will be presented April 30 and May 1, with the orchestra's playing of the Franck Symphony the featured number.

The Knoxville Gazette, temporarily set up at Rogersville in 1791, moved soon afterward to Knoxville.

Safety Programs Need Education And 'Correction'

Safety programs consist of more than the mere correction of physical hazards. While the removal of physical hazards in the working environment is of first importance, the ultimate goal will not be reached unless there is a definite and continuing plan of organized safety education, training and supervision throughout the entire personnel.

Safety men have learned that efficiency and a good accident record go hand in hand, while high accident frequency is a sign of inefficiency. Hence, a safety program must begin with Management. By carrying this viewpoint down the line from top management through supervisors, superintendents and foremen to every worker, it can be made a part of everyone's job. Give Yourself A Quiz

In the accompanying photograph several potential hazards are shown. Check the picture and give yourself a safety quiz. Note how many hazards you find then check your findings against the list on Page 3.

This view is presented with the thought that in all too many cases, hazards accumulate over a period of time until they are no longer recognized as constituting a threat. They are taken for granted. In this particular instance, it is apparent that the designers of equipment pictured recognized but few accepted safety standards.

Accident Nearly Fatal

Lack of proper design and construction, plus absence of maintenance, was the cause of a near fatal accident (not in Y-12) which resulted when a section of defective railing collapsed and permitted a man to fall 48 feet to the frozen earth. Barely missing a pile of structural steel, he suffered spine, pelvis and ankle fractures plus brain concussion and scalp lacerations.

A series of surgical operations in a distant hospital resulted in expenses in excess of what a fatality would have cost and left the victim a cripple. "Hindsight is never as good as foresight," is exemplified in this case where a timely inspection and preventive maintenance should have been a "must" of high priority.

Hazards Are Listed

Now, check your findings with the list of omissions compiled by a safety man and printed on Page 3 under the headline "Hazards Are Listed."

"Preventive" War Is Topic On Second Round Table

Discussion of "preventive" war and the "Marshall approach" will feature the second round table forum to be conducted by the Oak Ridge League of Women Voters at 8 o'clock Thursday night. The program will originate at the high school auditorium and be carried to neighborhood centers by wire transcription.

The panel leading the discussion will be composed of Dr. M. D. Peterson, of Monsanto Chemical Co.; Frank Wilson, commander of Atomic City Post No. 199, American Legion; Isabel Weber, superintendent of nurses at the Oak Ridge Hospital; Raymond S. Stripling, of the Atomic Energy Commission, and the Rev. Stephen Davenport, Episcopal minister.

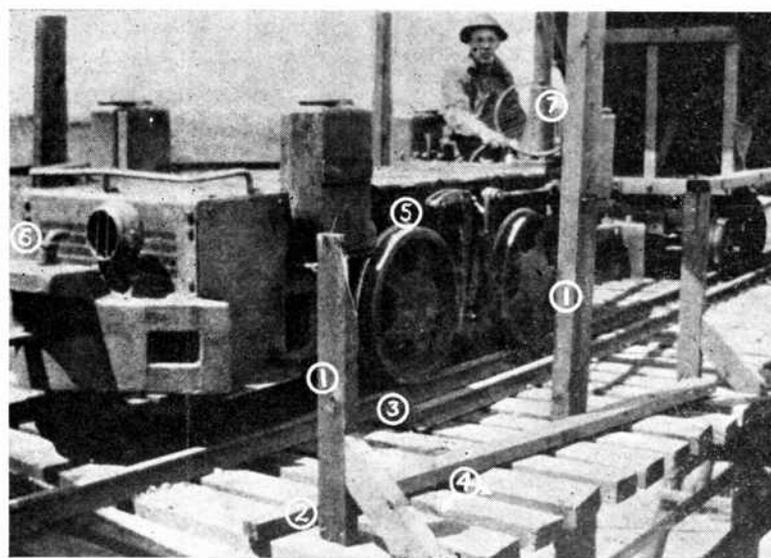
The discussion period will last for 30 minutes, to be followed by a 15-minute question period.

Theater Will Give Comedy Production

The three-act comedy, "You Can't Take It With You," by Moss Hart and George S. Kaufman, will be presented October 16, 17 and 18 by the Oak Ridge Community Theater. A cast of 19 will present the play, which will be directed by Ted Lehman.

Officer: "Madam, you were driving 60 miles an hour."
Madam: "Oh goody, and I just learned how to drive yesterday."

What's Wrong In This Picture?



Numerous potential accident hazards are apparent in the photograph above. How many of them can you find? After you have given yourself the safety quiz, turn to Page 3 for the correct answers.



The following employees are vacationing in Dept. A12S: Lloyd Acres, James Francis, J. B. Geasland, David Griffith, W. J. Stolp, and R. E. Bunch. S. J. Sherrod is vacationing at his home in Knoxville. He also will spend two or three days in Chattanooga . . . J. T. Creasman is taking a two-week vacation at his home in Andrews, N. C. . . . K. S. Lyle and family are vacationing in Maine for two weeks . . . J. H. Rahland and wife are taking a two-week vacation in Pennsylvania . . . Helen Matthews, Dept. A12S, and Nancy Allison, Dept. H12E, are spending a one-week vacation at their homes in Okolona, Miss., and Aberdeen, Miss.

Lou Kelly, Dept. A12J, Ruth Kidwell, Dept. A12G, and Margaret Patching, former employee of Y-12, spent a recent weekend in Cincinnati, Ohio.

J. N. Jackson, Dept. A14J, is vacationing. Claude Gross is also on vacation . . . W. L. Moore has returned after spending a vacation in Virginia.

Ruth Law, Dept. A12L, spent a recent weekend in Maryville, Tenn.

G. C. Henderson, Dept. A13J, and family, are vacationing at his home in Dallas, Texas.

Bill and Cora Brundage, Dept. H12L, visited Bill's parents, Mr. and Mrs. S. E. Brundage, in Newbery, N. Y., during their vacation. They enjoyed a baseball game between the Brooklyn Dodgers and Boston Braves. They reported seeing all the high spots in New York City.

Mrs. Robert Sawyer, of Wake Forest, N. C., has returned home after visiting her sister, Virginia Spivey, Dept. H12L.

Mr. and Mrs. Joe Arnold, of Old Hickory, Tenn., spent a few days with W. T. Hays, Dept. A13J . . . Nancy McNeil, of Bowling Green, Ky., spent the Labor Day holiday with W. E. Davis and family.

Vacationing in Dept. A12G are James Stapleton, L. A. Litton, C. B. Hillard, T. T. Sexton, C. H. Anderson and Arthur Rogers.

Dr. Chris Keim, Dept. H12L, returned Monday from a one-week vacation in Nebraska . . . Boyd Weaver is spending a two-week vacation in Colorado.

The Paul C. Ziemke family (he's a Y-12 Safety Engineer) had a real reunion last week at their home at 101 Kimball Lane. Sons Donald and Myron arrived from Defiance College, Defiance, Ohio, where they are studying mechanical engineering, for a visit with their parents. Daughter Ruth, who has been here for some time, will accompany her brothers back to the Ohio college when they leave. She plans to take a course in journalism.

After several weeks of batching, James H. Graham, Dept. A15N,

returned to St. Louis, Mo., to get his wife and daughter, who have been vacationing there . . . L. A. Slover and his wife are eagerly awaiting next week, as they plan to spend their vacation visiting relatives in Illinois. Friends of J. H. Stone are pleased to hear he is recovering from an operation at the Oak Ridge Hospital and wish him a speedy recovery . . . L. F. Vincent and family are vacationing on their farm near Chattanooga . . . E. K. DeLong and J. H. Dobbins are vacationing . . . L. H. Bishop and wife spent their long weekend camping in the Smoky Mountains.

Mildred Swan, Dept. H12H, her husband and cousins, Mr. and Mrs. Leigh Mink and daughter, returned this week from a two-week vacation spent at Florida points, including St. Augustine, Daytona Beach and Miami Beach. They also made the Palm Beach news after making a deep sea fishing trip. They caught an eight-foot, three-inch sail fish and a 10-foot kingfish.

W. H. Acton, Maintenance Division Superintendent, is in the Oak Ridge Hospital recovering from an operation.

There still are a few employees in the Transportation Department on vacation. They include Mrs. Lula Bell Justice, A. L. Scarbrough and J. K. Cox.

R. G. Stacey, of Dept. A13N, is back on the job after a few days in the Oak Ridge Hospital.

"Bill" Haase, Dept. A17N, in a letter to pals from the Land of Sunshine says he is enjoying the Florida air.

W. C. Asbury, Dept. A12N is vacationing in Dayton, Tenn. and at his home in Jacksboro, Tenn.

Irene Carpenter, Dept. B12L, is vacationing at her home in Meridian, Miss. . . . Bob Bennett and wife are vacationing in Atlantic City, N. J., and Providence, R. I. Margaret Holley is vacationing in New Orleans, La. . . . Daisy Brogan just returned from a vacation, during which she visited in Washington, D. C.

Elizabeth Cooke, Dept. B12L, and Elaine Thorne, Dept. M12C, spent the Labor Day holiday in Cincinnati.

Hospital List

Patients at the Oak Ridge Hospital last week included eight Y-12 employees. They were R. H. Bradshaw, Dept. A16N; Robert G. Stacy, Dept. A13N; William H. Acton, Dept. B12A; Roy Blankenship, Dept. A12G; Thelma J. Knisley, Dept. B13L; Lessie N. Reynolds, Dept. M13B; Mary H. Kincaid, Dept. A12L; Dillard D. Spangler, Dept. A17N.

"This means a good deal to me," said the poker player as he cut the deck.

Winnie Miller's Mileage Tops For Vacationers

The travels of many Y-12 vacationers have been recorded in The Y-12 Bulletin during the past several weeks, but the prize for the most mileage covered goes to Winnie Miller, of the Insurance Office, until someone else puts in a challenge for the title.

After completing her duties in Y-12 Friday, August 1, Winnie donned her seven-league boots, 1947 style, and before returning to her desk on Monday, August 18, she estimates she journeyed approximately 7,500 miles by plane, train, boat and bus. That comes under the "Can You Top This?" feat in vacation travel.

Traveled By Special Train

The first and last legs of the trip were made by plane between Knoxville and Chicago. The majority of the rest of the journey was by special tourist train from Chicago to the West Coast, thence through Western Canada and back to Chicago. Approximately 250 fellow tourists accompanied Winnie on the long trek.

Colorado Springs was the first stop made by the party, which visited the Will Rogers Memorial and other sights in that vicinity. The next day Santa Fe, N. M., with its Indians plying white folks with blankets and trinkets was inspected. The United States Naval Base at San Diego, Calif., and a side trip to Tiajuana, Mexico, was next on the agenda. After this came Los Angeles with trips to Hollywood and Beverly Hills.

San Francisco Relatives Visited

From there the party clicked along the rails to San Francisco, where all the usual tourist shrines were visited. Winnie had some relatives there whom she visited, but didn't miss any of the sights. Next on the itinerary was the Pacific Northwest that included Portland, Ore.; Seattle, Wash.; Vancouver, British Columbia; Lake Louise and Banff, thence back to the United States via the little town of Portal, N. D. From there the party proceeded back to Chicago via Minneapolis and St. Paul, Minn., and Milwaukee, Wis.



MURPHY-SELLS

Mr. and Mrs. John Henry Sells, of Cookeville, Tenn., announce the marriage of their daughter, Doris, to Timothy Murphy, of Raleigh, N. C., at the Chapel-On-The-Hill, Saturday, August 30.

The bride, a former Y-12 employee, wore white with brown accessories. She was attended by her sister, Mrs. W. G. Hester, as matron of honor. Mrs. Hester wore aqua linen. James Hester was best man.

Nuptial music was provided by Mrs. Walter C. Young, organist, and Gene Williams, vocalist.

The couple will live in Raleigh, where the groom is attending North Carolina State College.



Five births were reported to Y-12 families last week at the Oak Ridge Hospital. The parents were Mr. and Mrs. Orlan C. Blanton, a daughter, August 23; Mr. and Mrs. Walcott Watson, a son, August 25; Mr. and Mrs. Porter Lee Bond, a son, August 26; Mr. and Mrs. Joseph Edmund Mann, a daughter, August 26; Mr. and Mrs. Robert S. Burdette, a son, August 27.

COLLEGE WOMEN SET MEET

A dinner meeting will be held at 7 o'clock Wednesday night at Ridge Recreation Hall by the Oak Ridge College Women's Club.

Cancer Mortality Being Brought Under Control By Skilled Care

This is the first of two articles on cancer written for The Y-12 Bulletin by Dr. C. H. Benning, Director of the Oak Ridge Health Department.

By DR. C. H. BENNING

For the first time the mortality from cancer, particularly among women is beginning to come under control. It is estimated that the total cancer deaths, about 170,000 annually in the



Dr. Benning

United States, could be cut by at least one-third if the public knew the early signs and symptoms of cancer and obtained skilled medical care promptly. The American College of Surgeons keeps a detailed record of about 39,000 patients who have been treated for cancer and have had no recurrence after a lapse of years.

Who are these people? They are the ones who received the right treatment for cancer at the right time. The treatment of cancer depends on checking, destroying, or removing it. There are three methods of doing this—X-Ray, radium or surgery. These are the only methods. There is no medicine, no ointment, no drug that has the power to cure, or even to stop the progress of cancer once it has started.

Annual Examinations Urged

How did the people who have been cured of cancer happen to have the right treatment at the right time? Usually in one of two ways. Some of them were accustomed to having a yearly medical examination, at which time their physician discovered the early signs of cancer and recommended the proper treatment. This is one of the best safeguards against cancer.

Others noticed suspicious symptoms and consulted their physicians without delay.

Why are early diagnosis and prompt treatment imperative in halting the progress of cancer? In order to answer this question, I must tell something about the nature of this disease.

Cancer Starts In Tiny Growth

Cancer is a growth that starts in a tiny area. Perhaps a single cell or a group of cells, for some unexplained reason, become abnormal and run wild. These wild cells multiply and destroy the neighboring healthy cells. Once started, cancer keeps on growing—slowly or rapidly. In time it spreads, principally by shedding cells that are picked up by the lymph or blood and carried to other parts of the body. There they lodge and set up secondary cancers. These secondary growths are called metastases. Some cancers stay put for a long time—others spread rather early.

In the beginning cancer is a local disease. If it could be detected while it is in this first minute stage, when it is no bigger than the head of a pin, and could be taken out of the body, it is possible that nearly every death from cancer could be prevented. It is not possible to do that; so we try to do the next best thing and confine it as soon as possible to that early pin-point stage. At that time, while it is still localized, the chances of cure are good. After it reaches an advance stage, there is almost no hope of cure.

May Be Detected Early

New and improved methods of diagnosis now make it possible to detect cancer in the early stages when it develops in organs that cannot be seen and are hard to reach. A diagnosis may be made by X-Rays and by various modern instruments; for example, the gastro-scope by means of which the physician can look into the stomach.

What are the signs that lead the average person to consult his physician about cancer? First of all, while we do not know the cause of cancer, we do know that cancer commonly develops in unhealthy or abnormal tissues. Certain factors favor its development

—predisposing causes or precancerous condition, physicians call them.

Age is a factor in cancer development. As a person ages, the body tissues begin to wear out and are less able to protect themselves. Thus, they have a lowered resistance to the conditions known to be associated with the development of cancer.

Cancer is a disease which occurs among all races and at every age, but it is more common in the years after 40, especially from 40 to 70.

Chronic inflammatory conditions, repeated injury or irritation are other predisposing causes. Take, for example, the case of a pipe smoker. Constant irritation from the pipe stem, from heat, and possible chemical irritation continued over a long period of time may lead to cancer. Rough, irregular teeth, or ill-fitting dental appliances may cause sores, which, if the condition is allowed to continue, may become cancerous. If conditions such as these are avoided or corrected promptly, the development of cancer often can be prevented.

There are certain warning signs that cancer is developing. To learn these danger signals and heed them is the best guarantee of getting the prompt treatment which may save a life if cancer should develop. The danger signals of cancer are rarely very pronounced or troublesome in the beginning. People usually associate cancer with pain. But pain is rarely an early symptom. When pain comes, it generally means that cancer has passed the early stages. The same thing is true of some of the other alarming symptoms—when they develop, it may be too late to receive the best results from treatment.

Department Absentee Mark For Week Ending Aug. 24

MAJOR LEAGUE (More Than 50 Employees)			
Dept	Percentage Absent	Standing 8-24-47	8-17-47
A14N	0.3	1	5
M12P	0.9	2	3
M15C	1.2	3	11
H12L	1.40	4	8
A14J	1.40	4	1
A12M	1.43	5	2
A16N	1.8	6	6
H12E	1.9	7	10
A13N	2.2	8	4
A12R	2.3	9	7
A12G	2.4	10	9
A12S	3.1	11	12
M13B	3.2	12	13
H12D	4.3	13	15
A12W	4.5	14	19
A17N	5.16	15	18
B12L	5.20	16	14
B13L	5.5	17	16
M13C	7.6	18	17

Group absentee percentage was 3.1 per cent, .4 per cent higher than the preceding week.

MINOR LEAGUE (From 15 to 49 Employees)			
Dept	Percentage Absent	Standing 8-24-47	8-17-47
A12N	0.0	1	1
A12L	0.0	1	8
A19N	0.0	1	10
M12M	1.1	2	1
M14C	1.6	3	2
A13T	1.9	4	3
B12A	3.1	5	1
A15N	3.2	6	6
M12S	4.5	7	5
A12D	5.2	8	4
A-12A	5.6	9	7
A12T	6.1	10	9
A12J	10.0	11	11

Group absentee percentage was 3.1 per cent, .4 per cent higher than the preceding week.

The plant average for the week ending August 24, 1947, was 3.0 per cent, .4 per cent higher than the preceding week.

MID-STATE FORESTS LARGE

Middle Tennessee has two principal forest growths: the cedar glades of the Highland Rim, where the soil is shallow, and the scrub oak barrens of the Cumberland Plateau. Growing in low places and along the banks of streams are sweet gum, poplar, willow and sycamore.

CORN LEADING STATE CROP

Corn has always been a leading crop in value and volume in Tennessee. For more than 50 years the state had had a yearly average of 3,000,000 acres in this crop. In 1935, the crop amounted to more than 60,000,000 bushels.

V A Hospital Facilities Obtained For Ridge

Major details of a plan to make facilities of the Oak Ridge Hospital available to the Veterans Administration for former service men have been settled and the service for veterans will be available in the near future, it has been announced by Frank Wilson, commander of Atomic City Post, No. 199, American Legion. The Legion post has been advocating the move for several weeks, and Commander Wilson said the Atomic Energy Commission and Veterans Administration had agreed on all but minor details of a contract for the project.

The Legion head pointed out that facilities to be offered by the Veterans Administration will not in any way curtail services now being offered civilians.

The post will hold its regular meeting at 8 o'clock Thursday night with Vice Commander Longstreet Cavet, former Y-12 employee, presiding. Part of the meeting will be devoted to participation in the round table forum session sponsored by the Oak Ridge League of Women Voters in which Commander Wilson will participate.

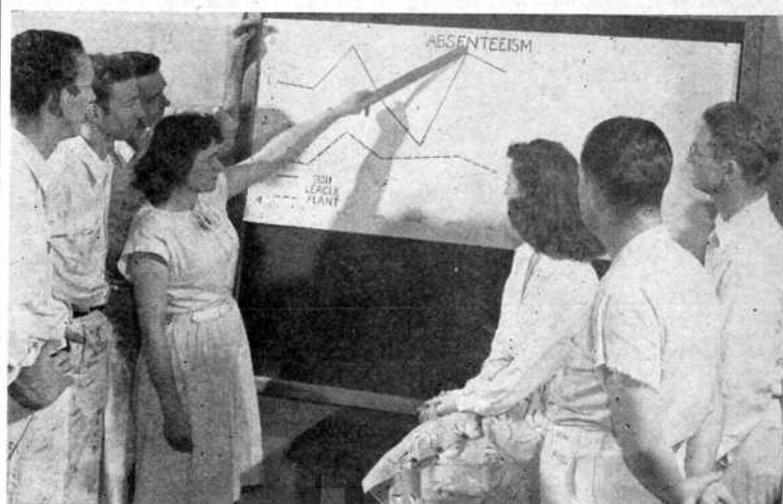
The Atomic City Post will participate in the observance of Fire Prevention Week in Oak Ridge from October 5 through October 11 and sponsor a parade to be staged on Thursday night, October 9, when various stages of fire prevention will be stressed.

Paul Pennington, Y-12 employee and member of the post, is on the membership committee of the Legion group. The post now is waging its 1948 membership campaign, with a goal of substantially increasing the present membership. Annual dues have been reduced from \$5 to \$3.50 to bring the Atomic City Post dues in line with others in the state.

Milling Was First State Industry

Milling provided Tennessee with its first established industry. A grist mill was set up on Buffalo Creek in 1775, and some meal and flour was shipped to New Orleans and the Atlantic Coast. Other mills followed shortly on Little Limestone Creek, in East Tennessee, on White's Creek, Mill Creek, and on a barge in the Cumberland River near Nashville. One mill, in Palmyra, operated in conjunction with a distillery. There also was a fulling mill on Yellow Creek and a powder mill in Sumner County.

Graph Used In Attendance Drive



In an effort to boost their attendance record, employees in Chemical Salvage, M14C, made a large chart and plotted a graph on which the department attendance was compared with that of the entire plant and with other minor league standings. Jean Emge is pointing to the chart while the others look on. From left to right they are Bill Eads, Ralph Wilson, Jess Griffin, Miss Emge, Carolyn Breece, Roy Roseberry and Osmer Garrett. M14C includes Bldgs. 9211 and 9928. Workers pictured above are in 9211. After the attendance study was initiated, absenteeism dropped. The department was in first place for the week ending July 27 and has not been below third spot in the minor league since.

Hazards Are Listed

1. There is no third member in the hand rail. This should run midway of the top rail and the floor boards, parallel with the floor.
2. There are no toe boards for the rail. These are four inches high and extend from post to post, along the floor line. Their presence prevents materials from rolling off.
3. The guard rail, which parallels the track for a considerable distance ends below the front wheel of the locomotive. It should be extended to continue around a 90 degree turn which begins at the left of the photograph.
4. Improper spacing of the trestle flooring leaves wide spaces through which rock could fall from the car and endanger persons passing below on a main thoroughfare.
5. The locomotive has no fenders at the wheels, lack of which caused a man to have his toes severed.
6. The coupling pin has a pipe sleeve used as spacing collar to bring the end within reach of the

Knoxville Marble Production Large

In 1857, the first quarry south of the Potomac River to use derricks and channeling machines was opened near Rogersville, Tenn. The second largest marble quarry in the United States and one of the world's largest plants for producing finished marble are in Knoxville.

Bean's Settlement First In State

Actual settlement of Tennessee began in 1769, when William Bean built his cabin on Boone's Creek near the Watauga River and several families from North Carolina joined him. Bean's settlement and those in Carter's River Valley (1771) and on the Nolichucky River (1772) were known as the Watauga Settlements.

trainman's hand.
7. The power cable encircling the trolley standard is not safeguarded with sufficient insulation, lack of which caused the cable to short-circuit. The resultant explosion burned the motorman and caused permanent disability.

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SPORT NEWS IN Y-12

Has Beens Win Plant Softball Title; Loop Earns Praise As Season Ends

The Has Beens are undisputed softball champions of Y-12 for 1947, having won the regular season schedule of play in easy style and then taking first place in the double elimination tournament that concluded the years activities.

The Has Beens took a surprise licking in the first round of the tournament, losing a 3 to 2 decision to the Calutrons. The eventual champions then took a hitch in their belts and marched through the loser's

bracket and won the right to meet the Calutrons again in the finals. Victors To Receive Trophies

In that tilt, staged last Monday night, the Has Beens thoroughly trounced the Calutrons by the score of 12 to 5 to carry home the bacon. Each member of the victorious team will be awarded a gold trophy in recognition of their feat.

The final game started out to be a repeat performance of the previous close games staged by the contesting teams, but the hitting power of the Has Beens was unleashed in the fifth inning and it was all over. The Has Beens held a slim 3 to 2 lead going into the fifth, but their big bats battered out six hits good for as many runs in that round. Three unneeded counters were added in the sixth and a harmless Calutron rally was squelched in the seventh inning.

Fine Sportsmanship Shown
The Y-12 Recreation Office, which directed the league play during the season, is high in its praise of the fine sportsmanship shown by all players and team managers. This sportsmanship was demonstrated by the fact that during the entire season and throughout the tournament, not a single protest was filed.

Enthusiasm on the part of the players was high throughout the season. Seldom did a team fail to show up for a scheduled engagement. Competitive spirit also was high with the second division teams, as well as the leaders always putting out their level best—win or lose.

Has Beens Forge To Front
The league season got under way May 19 in regular big league style, with Y-12 Superintendent C. N. Rucker hurling the first ball to Chemical Division Superintendent Jess Herndon with Industrial Relations Superintendent E. C. Cain vainly trying to sock out a base hit. The Has Beens went into the lead right from the beginning and although threatened at times by the Bums, Maintenance and Bldg. 9212, held to the top spot throughout the season, losing but two contests during the regular season and one in the tournament.

So great was interest in the regular season's play that the schedule was extended to include an additional round of games before the curtain was rung down and the tournament started. Only one team dropped out of the loop—the Ramblers deciding to call it quits about the half-way mark after losing some of their key players. Their place was taken by the Calutrons in mid-season and the tempo of the league was not affected.

The line score of the final tournament game follows:
Score by innings: R. H. E.
Has Beens 10 11 6 30—12 11 5
Calutrons 2 0 0 1 0 2—5 4 9

Y-12 Men To Attend Chemical Meeting

Several Y-12 men will attend the annual convention of the American Chemical Society in New York City September 15-19. J. M. Herndon, Superintendent of the Chemical Division, will be accompanied by W. J. Wilcox and Paul Petretzky from that division. Dr. C. E. Larson, Director of the Research and Development Division, announced that Keith Brown, Boyd Weaver and Claude Haws will represent that group.

POOL CLOSES SUNDAY
Next Sunday, September 7, will be the last day of operation this year of the Oak Ridge Swimming Pool at Grove Center, it has been announced by the Oak Ridge Recreation and Welfare Association.

Plant League Champs Of 1947



The Has Beens, champions of the regular season and a post-season double elimination tournament of the Plant Softball League, are shown above in a picture made early in the season. Seven of the 10 players pictured played throughout the entire season and four more were added to the roster after the picture was made. In this photograph, top row, left to right, are: Roberts, Bernander, J. Webb, McLendon, Wiggington and Coffey; bottom row: Krouse, Ross, Burney and Wischeusen. Of this group, Bernander, Wiggington and Coffey were not with the team at the end of the season, while others on the championship team not shown are C. Webb, McPherson, Braden and Barker.

Y-12 Lassies Clinch Second Place; Play Clinton Team Here This Week

Coach Ray Ledford's girls' softball team of Y-12 just about wound their play in the Oak Ridge City League last week with a 16 to 2 victory over the lowly Monsanto nine and held firm possession of second place in the loop. One more postponed game with Monsanto is still on the schedule but it is improbable that it will be staged at this late date.

The Y-12 lassies are scheduled to play the Clinton girls at 6 o'clock Tuesday night on the Fairview diamond. The Y-12 outfit nosed out Clinton by a 5 to 4 count a few days ago and the visitors will be invading Oak Ridge seeking sweet revenge. In case of postponement of this game for any reason, players and fans alike are asked to call the Recreation Office, North Portal, telephone 7-8252, for information concerning the contest.

In their game against Monsanto last week the Y-12 team turned on the heat right from the beginning and was never headed. The engagement was halted at the end of four and one-half innings because of darkness.

Score by innings: R H E
Monsanto 0 0 2 0—2 4 7
Y-12 3 2 7 4 x—16 15 3

The final second half standing of the Oak Ridge City League follows:

Team	W	L
Hospital	12	3
Y-12	9	5
K-25	6	9
Monsanto	5	9

For the entire season, the league standing was:

Team	W	L
Hospital	21	3
Y-12	15	8
K-25	7	17
Monsanto	4	19

V F W Post Will Send Group To National Convention

Several members of Raymond C. Massey Post, No. 6351, Veterans of Foreign Wars, of Oak Ridge, will leave this week for Cleveland, Ohio, to attend the national convention of the organization September 6-11, according to W. O. Elam, captain in the Y-12 Fire Department and senior vice commander of the post.

Arthur Rogers, member of the Y-12 Guard Department, is expected to go to the convention as a member of the Knoxville post. The Oak Ridge delegation will include Commander K. C. Fahey, Junior Vice Commander Roy Smith, James Turner and Roy Angevine. Elam is an alternate delegate, but said he did not expect to attend the convention.

Captain Elam is chairman of the VFW Post fire prevention committee which will participate in observance of Fire Prevention Week in Oak Ridge, October 5-11.

The post met last night at its quarters in the hostess house on Washington Lane to act on resolutions to present at the national convention.

COTTON SECOND STATE CROP

Cotton ranks next to corn in Tennessee, and is the second most valuable crop. Next in rank is the hay and forage crop. Lespedeza has developed rapidly and constitutes an important new cash crop.

LEBANON HAD EARLY MILL

One of the earliest Tennessee cotton mills was established in Lebanon. In 1846 it was operating 2,000 spindles, 21 carding machines and 40 power looms. It turned out 1,000 yards of cloth a day.

Tag Football Loop Now Being Planned

Plans for the organization of a plant tag football league have been launched by the Y-12 Recreation Office, with hopes that such a circuit of at least six teams can be formed.

Any group interested in forming a tag football team and entering the proposed league is asked to communicate with the Recreation Office, North Portal, telephone 7-8252.

Games would be played at night, probably on the Administration Field.

In addition to the plant loop, plans are being made to enter a Y-12 sponsored team in the Oak Ridge City League. Players desiring to try out for this team also are asked to communicate with the Recreation Office as soon as possible.

Further announcement on the tag football activities will be made in The Y-12 Bulletin in the near future.

Y-12 Girls Score 29 To 10 Victory Over Kingsport

The Y-12 women's softball team journeyed up to Kingsport, Tenn., Saturday night, August 23, and smashed the Mason-Dixon team of that city by the score of 29 to 10 in a four-inning engagement. The Truckers gave up after that amount of play and the Y-12 lassies were glad of it, being weary from bat swinging and running:

Score by innings: R. H. E.
Y-12 8 5 6 10—29 30 3
M-D 1 1 3 5—10 8 5

Institute To Stress Need Of Eyesight Conservation

The need of conservation of eyesight will be stressed at a three-day Eyesight Conservation Institute to be held in Oak Ridge September 22, 23 and 24. The meeting will be sponsored by the Oak Ridge Lions Club and the Education, Health and Welfare Department of the City Management Division of the Atomic Energy Commission in co-operation with the National Society for the Prevention of Blindness.

State of Tennessee officials have given full support to the institute, and Gov. Jim Nance McCord has been invited to attend a dinner meeting that will conclude the sessions.

National leaders in the field of eyesight conservation will appear on the program which emphasizes the new interest of educational and industrial leaders in the field.

RADIO PARTS SALE HELD

An auction sale of radio parts was held at the meeting of the Oak Ridge Radio Operators Club at 8 o'clock Tuesday night in the West Lounge of the Ridge Recreation Hall.

Y-12 Golfers Play In Joint Tourney

About 15 Y-12 golfers are participating in the joint tournament being staged by players from Y-12 and K-25 over the Rockwood course. Qualifying scores have been posted and match play is now underway. Finals probably will be played September 27.

Among the Y-12 golfers in the tournament are Ludwig, Adkins, Morrow, Hays, Hubbard, Tibbatts, Holtzkecht, Wanamaker, Harrigan, Lain and Kirk.

Season Tickets For Wildcat Football Games Now On Sale

Y-12 football fans still may obtain season tickets for the home games of the Oak Ridge High School Wildcats, according to Coach Ben Martin. Applications for the season tickets will be accepted by mail only until September 12 and should be addressed to the Oak Ridge High School Athletic Association. Each application should be accompanied by a statement of preference as to location of seats in the stand.

Applications should be accompanied by check or money order for \$5, cost of the tickets, and an additional 25c if the purchaser wishes delivery by mail. Purchasers may pick up their orders personally at the high school between September 15 and 19, however.

There are seven home games on the Oak Ridge schedule this year with three listed for foreign gridirons.

LIKE DEEP SOUTH

In the swampy bottomlands of West Tennessee, the plant life is similar to that of the Deep South. Here remain some stands of the magnificent first-growth timber that originally made Memphis a leading hardwood market of the Mississippi Valley. The largest species of tree in this area is the cypress, which lives to a great age and reaches a height of 150 feet.

Two Plant Bowling Loops Ready To Go

"Timber."
Lumber will begin scattering all over the place in the near future when two leagues of bowlers composed of Y-12 maple maulers will take to the alleys to begin activities that will last throughout the autumn and winter months.

The Plant League will open hostilities at 6 o'clock Thursday night, September 11, on the Grove Alleys and will roll at the same hour every Thursday night throughout the season. There will be 12 clubs in this loop.

The "D" Area League, under direction of President Phil Rueff, is organized with eight teams, and ready to begin action at 6 o'clock Tuesday night, September 16, at Jefferson.

This loop will compete at the same time each Tuesday at Jefferson.

The Plant League will hold its final organizational meeting at 3 o'clock Wednesday afternoon at the Recreation Office, North Portal. All team managers or their representatives are urged to attend this important session, as rules for league play will be adopted for officers elected.

Pocket Billiards Tourney Underway

The Y-12 pocket billiards tournament now is under way at the new Midtown parlors known as the Cue and Cushion with play being staged every Thursday night. Top players in the tournament will represent Y-12 in the Oak Ridge City League during the coming season.

If players cannot play their matches on Thursday nights they are permitted to reset them for other nights in the week. All contestants are asked to list their telephone numbers on the scoreboard.

The matches consist of 75-point games of straight pool.