



Y-12 BULLETIN

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

Volume 3, No. 39

OAK RIDGE, TENNESSEE

Wednesday, October 12, 1949

Y-12 SEES IMPROVED RECORD

Y-12ers Appear On Information Meet Program

The Y-12 plant will be host October 24, 25 and 26 to an information meeting of representatives from 40 Atomic Energy Commission installations, subcontractors and military establishments. The meeting is sponsored by Y-12, K-25 and the Oak Ridge National Laboratory, all operated by Carbide and Carbon Chemicals Corporation; and the Oak Ridge Institute of Nuclear Studies and the NEPA Project of the Fairchild Engine and Airplane Company.

Commissioner Smyth To Speak

Nearly 20 Y-12ers will be on the program for the three-day meeting or will be helping to make arrangements for the sessions. The high-light of the program will be an address by Atomic Energy Commissioner H.D. Smyth on "The Role of the National Laboratories in Atomic Energy Development."

This address will be delivered at a dinner meeting of the delegates to the meeting scheduled for 6:30 o'clock, Tuesday night, October 25, at the Y-12 cafeteria. Tickets will be sold shortly for \$3 for the dinner. L. E. Burkhart, Bldg. 9734, telephone 7298, will have charge of the ticket sale in Y-12 when they are ready for distribution.

Y-12ers On Program

The Y-12ers who will take part in the program include W. R. Grimes, C. J. Barton, A. Clark, Jr., H. W. Savage, B. S. Weaver, Ben Harmatz, R. S. Livingston and R. J. Jones. They are representatives of the Chemical Division, the Isotope Research and Production Department and the Electromagnetic Research Laboratory. In addition G. H. Clewitt, head of the Chemical Department, will preside over one of the symposium sessions of the meeting.

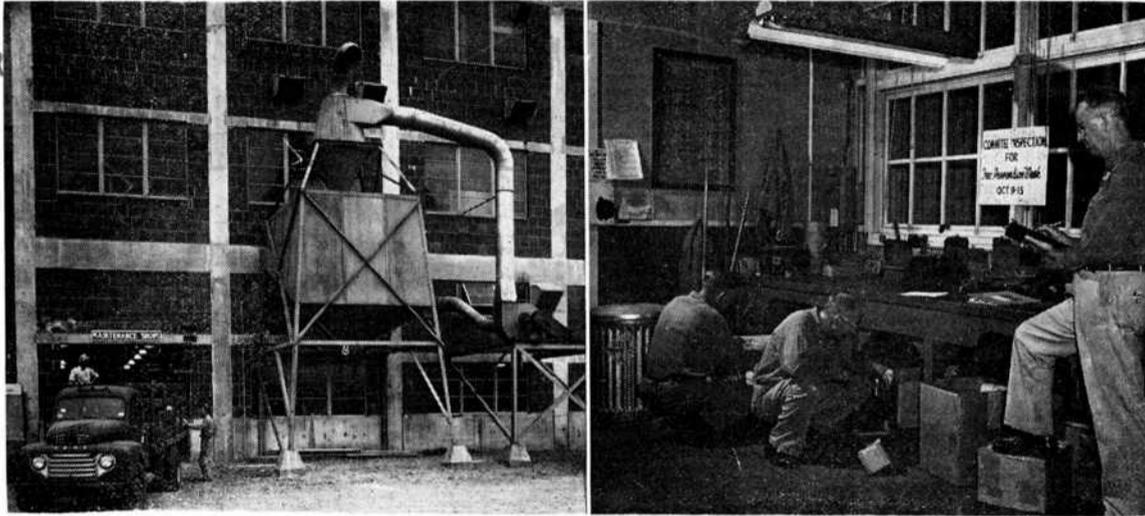
More than 500 scientists are to attend the Information Meeting to discuss mutual problems, to ascertain what progress others are making and to meet other scientists working in similar fields. Subjects to be discussed include a review of the research program of all AEC installations, the reactor program, reactor physics and technology, heat transfer, shielding, metallurgy and radiation damage, radiation chemistry, chemistry and chemical technology, chemical separation processes, fluorine chemistry and waste disposal.

Carbide To Give Smoker

Headquarters for the visitors will be in the lobby of Claremont Hall, an Oak Ridge dormitory that will be opened to accommodate out-of-town guests. For entertainment of the visitors Carbide will sponsor a smoker in the Ridge Recreation Hall at 8 o'clock Monday night, October 24.

Film Group Offers Picture Sunday

The Oak Ridge Film Society will present Robert Flaugherly's moving picture, "Man of Aran," at 8 o'clock Sunday night in the East Lounge of the Ridge Recreation Hall. It is described as an interesting documentary film and all Y-12 members of the society are invited to attend the showing.



TWO OBVIOUS REASONS WHY THE Y-12 FIRE LOSS RECORD IS SO LOW ARE PICTURED above. At left is shown the exterior of the modern new carpenter shop now housed in a fire resistive building and equipped with a cyclone dust collector—the machine in the center of the picture. This device gathers dust from the inside of the building and dumps it into trucks outside, greatly reducing fire hazards. Standing in the truck at left is L. K. Flynn while H. C. Norris is on the ground. Both are Buildings and Grounds Department employees. At right is pictured a Stores Department inspection in the big warehouse in Bldg. 9720-6, being made by E. I. Griffin, standing, A. N. Potter, center, and C. M. Llewellyn. They find everything in fine shape. More pictures on Page Three.

Six Departments Report 'All Present'

With six departments, all in the Minor League, reporting perfect attendance records for the week ending October 2, the plant absenteeism figures for the period rose .1 per cent over the preceding week to a mark of 2.2 per cent.

Electrical Maintenance On Top

The latest reporting period saw the Guard Department drop from the top of the Major League standings although reporting only .4 per cent of its members absent, the same as the previous week. Electrical Maintenance took over first place by having only .2 per cent of its personnel absent. This department was in fourth place the week before. Third place was taken by the Stores Department, which jumped from fifth place and reported an absentee mark of .7 per cent.

In the Minor League four of the six departments reporting "all present" for the week ending October 2 had similar records the (Continued On Page 2)

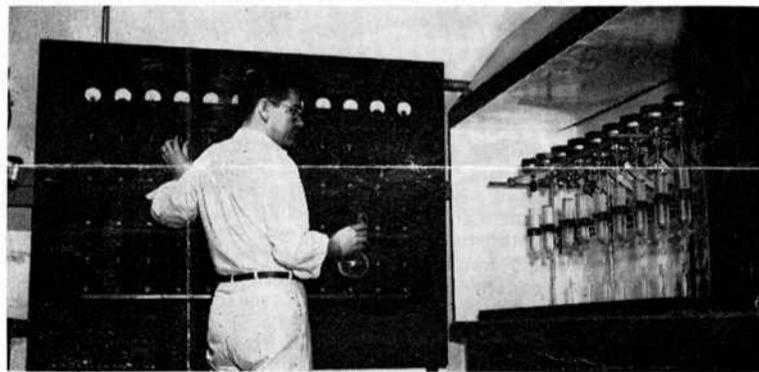
Wisconsin Professor To Lead Physics Seminar Discussion

Prof. R. G. Herb, of the University of Wisconsin, will lead the discussion at the weekly meeting of the Oak Ridge Physics Seminar at 4 o'clock Friday afternoon in the East Lounge of the Ridge Recreation Hall. A number of Y-12 employees have been attending the weekly sessions regularly.

The topic of the discussion this week is "Electrostatic Generator Technique and Scattering of Protons by Helium."

'HEAVY WATER' BANNED

Norwegian Premier Einar Gerhardsen is reported by the New York Times in a recent interview in Oslo that Norway has decided to limit distribution of "heavy water" to nations signing the North Atlantic Pact. However, he said that if neighboring Sweden desired a small quantity for purely non-military scientific experiments, it is improbable that there would be a ban on such an export.



HOW CARE IS TAKEN AGAINST ANY POSSIBLE FIRE hazards in the Technical Service Laboratory of Y-12 is shown by J. H. Hackney at the controls of the new ether hood in Bldg. 9733-2. This standard safety hood exhausts all ether fumes and prevents explosion of the volatile gas while the mixing is done by sparkless motors controlled from outside the hood by a switchboard.

Home Fire Prevention Knowledge Valuable To Eliminate Hazards

Fire prevention in the home is just as vital as fire prevention in the plant, as fatalities from fires occur most frequently in dwellings and more than 2,000 fires break out every day in some American home. There are two important points to know about fire prevention in the home. The first, of course, is to know how to prevent fire hazards and the second is how to deal with a fire once it has started.

Frequent Checks Advisable

Frequent checks around the house will tend to make it a safer place in which to live. For instance, don't drape an electric wire over a nail just because it is easier to adjust. A frayed cord most likely will result that might emit sparks to cause a fire. Wires placed under rugs also will become frayed and become a hazard. Other electrical hazards to look for constantly are frayed insulation on any wires, particular in basements, putting pennies in fuse blocks and overloading outlets.

Even more obvious fire hazards are open flames that might ignite nearby flammable materials. Probably the greatest cause of home fires is careless smoking, particularly in bed. Matches left within a child's reach often result in a tragic fire.

Keep Cool If Fire Found

If, even after all precautions are taken, a fire is discovered—the first and most important step to take is to "keep cool." Notify the fire department at once, either through direct telephone or an (Continued On Page 3)

Ceramics Group Sets Meeting In Nashville And Oak Ridge

Y-12 employees who are members of the Tennessee Valley Section of the American Ceramic Society or who are interested in the work of the group have been notified of a meeting of the body to be held Friday and Saturday of this week in Nashville. The section also has scheduled a two-day meeting for Oak Ridge on December 9 and 10. Dr. W.V. O'Leary, of the NEPA Project of the Fairchild Engine and Airplane Corporation, will be chairman of the Oak Ridge meeting.

RESEARCH BODY FOUNDED

The Associated Press recently reported that Dr. Saul Hertz, Harvard University professor, has founded an isotope research institute for use of radioactive isotopes in treating goiter, thyroid cancer and other malignant growths. Dr. Hertz has called on the government to set up a centralized agency to handle distribution of isotopes for use by private enterprises working on approved projects.

Fire Prevention Week Observance Being Stressed

Confident of maintaining and even improving the excellent year-around record of fire prevention in the plant, Y-12 employees this week will join the rest of the nation in observing national Fire Prevention Week from October 9 through October 15. For several years Y-12 has ranked high among industrial firms throughout the country and Canada in its fire prevention program, and with the cooperation of all employees in the work of seeking out and abolishing all fire hazards in the plant, a continuance of the excellent record is indicated.

The Fire Prevention Week program in Y-12 will include a thorough probing of all corners of the plant to ferret out any conditions that might result in the creation of fire hazards; divisional, departmental and group meetings at which the principals of fire prevention and fire fighting will be stressed and inspections to check previous recommendations for elimination of dangerous conditions. Program Efficiently Administered

The entire program is being coordinated by the fire, safety and security coordinators of the various plant divisions and the Y-12 Fire Department. The coordinators include W. S. Herron, Chemical; Lee Bagwell, Industrial Relations; Ward Foster, Research and Development; Nelson Tibbatts, Maintenance; W. C. Davis, Manufacturing Offices; and J. Clyde Bowles, Engineering. Teamwork between the coordinators themselves and Fire Department members has resulted in efficient administration of the excellent agenda drawn by the Training Department to comprehensively outline the entire project.

Not only during Fire Prevention Week are the principles of preventing fires stressed to Y-12 employees, as reference to the subject is made to them in every monthly fire, safety and security meeting held throughout the plant.

Equipment Is Improved

In addition to keeping all employees alert to the importance of fire prevention, the plant during the year has added considerable equipment to further eliminate fire hazards. For instance an extensive expansion of the water sprinkler system in several buildings was built. In the Research and Development laboratory an ether hood was installed to greatly lessen the chances of chemical explosions. Then the carpenter shop was moved to a fire resistant building and a giant cyclone dust removal device was installed to cut down the hazards of fire within.

In all of the various fire pre- (Continued On Page 3)

SAFETY SCOREBOARD

Your Plant Has
Operated
110 DAYS
Without A Lost Time
Accident
THROUGH OCT. 9

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Six Departments Report 'All Present'

(Continued From Page 1)

previous week. The four repeaters were Utilities Maintenance, Medical, Receiving and Shipping and Cafeteria and Canteens.

Two Others Move Up
Joining these four in the perfect attendance bracket were the Fire Department and Planning and Estimating Department. These departments were in second and sixth places, respectively, the preceding week.

Second place in the Minor League was held by the Superintendents Department, which advanced from third place. Its absentee mark was .60 per cent. Close behind was the Janitors Department with an absentee mark of .62 per cent and which was in a first place tie the week before.

The Y-12 absentee record for the week ending October 2, by departments, follows:

MAJOR LEAGUE			
Dept.	Percentage Absent	Standing 10-2-49	Standing 9-25-49
2077	0.2	1	4
2091	0.4	2	1
2142	0.7	3	5
2616	1.1	4	2
2300	1.70	5	10
2360	1.71	6	8
2014	2.2	7	11
2320	2.6	8	6
2003	2.9	9	12
2283	3.3	10	3
2015	3.9	11	9
2282	6.2	12	7

Group absentee percentage was 2.1 per cent, .1 per cent higher than the preceding week.

MINOR LEAGUE			
Dept.	Percentage Absent	Standing 10-2-49	Standing 9-25-49
2005	0.0	1	1
2090	0.0	1	1
2143	0.0	1	1
2107	0.0	1	1
2093	0.0	1	2
2002	0.0	1	6
2200	0.60	2	3
2001	0.62	3	1
2739	0.8	4	4
2270	1.2	5	5
2008	1.3	6	10
2050	2.5	7	7
2133	2.7	8	1
2743	3.7	9	9
2619	4.4	10	8
2109	5.2	11	1
2009	5.9	12	12
2096	7.1	13	1
2140	11.1	14	11

Group absentee percentage was 2.2 per cent, .3 per cent higher than the preceding week.

The plant average for the week ending October 2 was 2.2 per cent, .1 per cent higher than the preceding week.



The following Y-12 employees were patients in the Oak Ridge Hospital last week: Helen L. Hicks, Assay Laboratory; R. G. Marlard, Product Chemical; Alvin K. Bissell, Uranium Control and Computing; and Katherine A. Sells, Assay Laboratory.



Two births were recently reported to Y-12 parents at the Oak Ridge Hospital. A girl was born to Mr. and Mrs. Harold L. Payne, September 30. A girl also was born to Mr. and Mrs. George Nessel, October 2.

Don't throw your mouth into high gear until you are sure your brain is turning over.

You Hit The Jackpot When You Live In The United States; Standard Of Living In America Highest In History Of World



Editor's Note: This dynamic article on the privileges and advantages of living under the American system of life was written by Phelps Adams, a New York Sun writer, and reprinted by permission of the publishers.

When the stork picked you up and began winging his way earthward, the chances were 15 to one against you. But you were lucky. You hit the jackpot. You live in the United States of America.

This means you live better than the people of any other nation. Never in history has any people known a standard of living as high as Americans enjoy.

America's people own 48 per cent of the radios, 54 per cent of the telephones, and 85 per cent of the automobiles.

In 150 years of dynamic, adventurous life, America has made more progress than all other nations have made in 6,000 years. What has she got that the rest of the world has not? Comparison forces one conclusion. The one thing which America has that other nations lack is the American system of free enterprise.

Planned For 150 Years
That you live in America is circumstances; but that America lives as she does is not. For a century and a half Americans have planned it that way.

The American system of free enterprise, on its record, indisputably is the most progressive and completely democratic form of capitalism yet devised. It is a system under which all productive facilities are owned directly by the people themselves. The people alone determine what wages shall be paid; how much capital should be invested, and how much profit should be made.

The 9,000,000 individual enterprises in America know only one boss: The Customer. The only way business can grow big and stay big is by winning votes cast daily by the American consumer.

60,000,000 Employed
American enterprise today gainfully employs 60,000,000 persons, who work only at the pleasure of their customers. These workers also are the customers, so management is forced to operate more and more efficiently and produce better goods at lower costs.

Thus the American system of free enterprise may be defined as the economic system under which the worker exploits management. By any standard of comparison the successful system is free American capitalism. It has enabled every American worker to produce and to possess more than six times as many goods as the average worker outside the United States.

During the war, one nation out-produced the combined powers of the Axis. That nation was America. Many military analysts concede the war's decisive victory was won on the American assembly line.

Europe Seeks Aid
Now that the war is over, Europe's nations seek the help of the only nation that can produce enough and give them enough to keep them from starvation. That nation is America.

Is it mere coincidence that the U. S. also is the only nation which enjoys free enterprise as we have known it?

The record speaks for itself.

Chorus Rehearsal Is Set For Thursday Night This Week

Because of the concert by the Oak Ridge Symphony Orchestra Monday night of this week, the weekly rehearsal session of the Community Chorus will be held at 7:30 o'clock Thursday night, chorus authorities have announced. The rehearsal will be held in the small auditorium of the Jefferson Junior High School.

The rehearsal Thursday night will be the last chance for new members to join the group before the initial concert of the season, set for 8 o'clock Saturday night, October 29, at the high school auditorium.

The chorus now has 75 members, several of whom are from Y-12. More members are desired, particularly male voices and any Y-12ers who would like to sing with the group are urged to attend the rehearsal Thursday.

PHOSPHORUS FOR FLU
The medical journal, Nature, published in London, reports that Drs. A. F. Graham and Isabella McClelland, of Toronto, Canada, have been using radioactive phosphorus in studies of influenza virus.



Electrical Maintenance Department extends sympathy to W. S. Miller over the recent death of his mother in Kansas. . . . Also to B.P. Hagood, whose mother died in North Carolina. . . . His cabin at Vaspar on Norris Lake was the site of Fletcher Watson's vacation. . . . On the other hand J. C. Ezell and Mrs. Ezell are touring Florida on their vacation trip. . . . That "old pro" fisherman, Evan Means, tried the waters of Watts Bar Lake above the mouth of Emory River on Sunday, October 2. His prize catch, which he said surprised him as well as the rest of the party, was a large mouth bass that was 22½ inches long and tipped Means' baby scales six pounds and three ounces.

Graham Rudolph, of Plant Records Department, and her husband, O. B. Rudolph, of Isotope Research and Production, spent a recent week end visiting in Lobeville, Tenn.
The Chemical Research Department reports Margaret O'Neal took recent trip to Crossnore, N.C., to visit her mother and also stopped over in Johnson City to see friends there. . . . Nancy Doane went up to her home in Cynthiana, Ky., to spend the past week end. . . . George Nessel is being congratulated over the arrival of a baby daughter, born October 2 at the Oak Ridge Hospital. The young lady has been named Kathleen Ann and weighed in at six pounds, nine and one-half ounces.

L. H. (Sky) Barker, of the Superintendents Department, spent the past week end visiting his brother, Robert Barker, a former Y-12er, at Kingsport.
Plant Engineering reports Fern Cunningham is back on the job after spending a week's vacation at her Knoxville home.

Robert T. Cantrell, Employee Relations, and his folks vacationed in Sanford, N.C., for one week. . . . Monzelle Kennedy and her husband, John Kennedy, of Electrical Maintenance, are vacationing this week away out in Wichita Falls, Tex. . . . Esther Moody, of the Y-12 Bulletin and Recreation Offices, is vacationing and plans to attend the University of Tennessee and University of Alabama football game in Birmingham this Saturday. . . . A number of other Y-12ers also are contemplating the journey to see the grid classic.

Guard Department vacationers spent their time in widely separated sections of the country. G.A. White and his wife have returned from a trip to West Palm Beach, Fla. . . . F. L. Roberts and Mrs. Roberts, however, outdid them in distance traveled, going to the Northwest to visit the states of Washington and Wyoming. They returned via Chicago and then jumped to Alexandria, Va., to visit Ft. Belvoir, where Roberts had his army training. . . . Chief Miles H. Bradford and Mrs. Bradford went all the way over to Brownsville, Tenn., their old home, over a recent week end.

Paul Hagelston, of Isotope Research and Production, and his wife attended the golden wedding anniversary of his parents in Boston, Mass., during his vacation. . . . Fred Kappelman spent a two-week vacation in Brooklyn, returning a visit paid him by his mother here in Oak Ridge recently. On his way back Fred visited a brother at Loyola University.

From the Cafeteria and Canteens Department Willie Braden is vacationing at her home in Oliver Springs. . . . Irene Brown is visiting her sister in Boston, Mass., and also her parents in Rutherfordton, N. C. during her vacation.

G. I. Davis, of the Fire Department, is spending a week of his vacation at his Heiskell home and plans to drive down to Birmingham, Ala., for the Tennessee-Alabama football game Saturday. . . . W. H. Evans is taking it easy during his vacation, staying home in Knoxville.

The Chemical Department has welcomed Lloyd Tolliver back to work after an extended illness. . . . Cleo Edmonds is vacationing at home in Oak Ridge.

J. R. Robinette, of the Tool Department, vacationed at home in Lenoir City. . . . Margaret Johnson had fishing license trouble on a recent trip to Ft. Loudoun Lake, forgetting the permit at first and then returning all the way home to get it. Her persistence was rewarded—she caught one fish. . . . R. H. Evans spent the first part of his vacation last week listening to world series baseball games over the radio and then planned to take off New York to see the final games of the series in the big city.

John Murphy, of the Electromagnetic Research Laboratory, vacationed at his Oak Ridge residence. W. J. Stolp, of Stores, is another baseball fan who spent the afternoons of his vacation around the radio listening to the world series.

Irene Turner, of Manufacturing Offices, and her husband are visiting her parents in Charlottesville, Va.

The Property Department is extending sympathy to L. V. Thornton over the death of his father October 6.

The Health Physics and Hygiene Department welcomes Janet Goggin and Rudy Pletz, recently transferred to the department, also Elaine Watson a newcomer. T.A. McKenzie, superintendent of plant protection, was ill at his home last week. . . . John Price, of Security, vacationed in Oak Ridge last week after a short trip to Nashville.

Songs By Soprano Feature Of Listening Group Program

The record concert to be presented at 8 o'clock Thursday night in the East Lounge of the Ridge Recreation Hall by the Oak Ridge Music Listening Group will feature a collection of songs by the coloratura soprano, Erna Sach. The program will be presented under direction of Miss Patricia Wolz, a Carbide employee at the K-25 plant.

Other numbers on the program will include Mendelssohn's Violin Concerto, to be played by Fritz Kreisler, assisted by Sir Laudon Ronald and the London Philharmonic Orchestra; and Beethoven's Dance Symphony, No. 7, in A major, by the NBC Symphony directed by Arturo Toscanini.

Following the program members will be permitted to play their own records on the high fidelity record player of the Music Listening Group. Members and friends of the group have been asked to make their private record albums available for the weekly concerts.

AEC Personnel Panel Meets Here Next Week

The fourth semi-annual meeting of the Atomic Energy Commission Personnel Panel will be held in Oak Ridge next Monday and Tuesday, October 18 and 19. Previous meetings of this group have been held at Los Alamos and the Brookhaven and Argonne National Laboratories, the coming session being the first time the panel has met in Oak Ridge.

Problems To Be Discussed

The meetings are held for the purpose of exchanging information on personnel management problems. Panel discussion groups will be represented by 10 men from contractor organizations and two from the AEC. About 50 non-panel members are expected to attend the meeting in the role of observers.

The principal speaker at the sessions here next week will be William H. Davis, chairman of the AEC Labor Relations Panel, who will address a dinner at the Oak Terrace Monday night.

Welcome Planned For Visitors

The visitors will be welcomed to Oak Ridge by Clark E. Center, general superintendent for Carbide and Carbon Chemicals Corporation installations in Oak Ridge; and R. W. Cook, manager of the Oak Ridge Directed Operations for the AEC.

Y-12ers' Ideas Sought At Community Centers

With the opening of two community centers at the Elm Grove and new Willowbrook schools, the Oak Ridge Department of Recreation has asked for suggestions from Y-12 employees and other residents of the city for additional activities that might be added to the planned programs. The new centers will open during the week of October 17.

Accommodates Adult Groups

The centers were planned by the recreation department to provide sites for adult groups to meet with volunteer leaders in charge of various activities. The Willowbrook center will be open Mondays, Wednesdays and Thursdays from 8 p.m. to 10:30 p.m., while the Elm Grove project will be open Tuesdays and Wednesdays during the same hours.

Veo Yon will direct activities at Willowbrook. He will be assisted by George Jones and William Matthews and volunteer leaders will include Matthew Wisnowski, of Y-12; Paul Cox and Maude Carter. The Elm Grove center will be under supervision of Robert Claxton, assisted by John Wyatt and volunteer leaders David Steelman, Houston Hemphill, Phil Collett, Mrs. Robert Claxton, C. E. Wood and J. F. Edwards.

Some Activities Are Listed

Some of the activities scheduled at the centers include casting, sketching, photography, first aid, folk dancing, a quarterback club, fencing, bridge, chess, book discussion and mixed volleyball. Game rooms will be provided at each center.

Anyone wishing to submit suggestions for additional activities is asked to communicate with the recreation department in the city administration building, telephone 5-3521.

Y-12 Sees Improved Fire Prevention Mark

(Continued From Page 1)

vention meetings held during the week, the removal of all trash was urged as combatting one of the most dangerous conditions leading to fires. Every nook and cranny of the plant was scoured to carry out this work and the Maintenance Division trucks removed several loads to the salvage yard. In turn, each division faced its own particular problems and coordinators reported excellent response to all suggestions for making working conditions safer by checking for any possible fire hazards.

How Divisions Tackled Problem

For instance, in the Industrial Relations Division there are no particular fire hazards such as might result in a warehouse. However, the Industrial Relations employees were cautioned about observing fire regulations when visiting other parts of the plant and the advantage of good housekeeping in office areas.

In Research and Development stress was laid on looking for hazards that might result from handling of chemicals. All buildings were inspected and each group in the division held meetings to thoroughly learn what hazards to look for and overcome. In the Manufacturing Office Divisions the warehouse spaces were closely inspected and generally cleaned up, fire prevention meetings held and drills staged.

Maintenance Offers Cooperation

The Engineering Division in its divisional meeting discussed the general problem and then a joint meeting of three departments was held to take up the matter. Inspections were held in every part of the division. All general foremen in the Maintenance Division saw to it that employees under their direction followed out instructions on improving the appearance of the plant and the division cooperated with all other divisions in achieving the general goal.

The Chemical Division saw full cooperation between superintendents and employees in efforts to make the observance a complete success. Inspection of all division laboratories and other quarters were made prior to Fire Prevention Week and another inspection is scheduled this week to see that all recommendations made after the first inspection are carried out.

Hughey Pleased With Enthusiasm

Fire Chief J. W. Hughey expressed satisfaction last week over the enthusiasm being shown by all employees in making the fire prevention program a success and predicted that the fire loss rate in Y-12 will continue the steady decline it has shown for the past several years.

Fire Prevention Week is observed throughout the United States and Canada to focus public opinion on the importance of preventing the huge annual loss of lives and property through fires, the great majority of which could have been prevented. The week was first observed October 9, 1911, on suggestion of the Fire Marshals Association of North America that the anniversary week of the great Chicago fire be set aside to bring the important lesson of fire prevention to the public. President Woodrow Wilson issued the first Fire Prevention Day proclamation in 1920 but it was not until 1922 that a nationwide observance was asked by President Warren G. Harding. Every President thereafter has issued a similar appeal to the country.

National Fire Losses Drop

The National Board of Fire Underwriters has reported that fire losses during the first six months of 1949 have shown a decrease of 9.7 per cent over the destruction costs of 1948, which were the greatest in the country's history. The figures of fire losses last year reached \$715,074,000 with the toll of life nearing 11,000 and many thousands more injured.

It's a pity that human beings can't exchange problems. Everyone knows exactly how to solve the other fellow's.



DISCUSSIONS ON OBSERVANCE OF FIRE PREVENTION Week in Y-12 were held throughout the plant last week and some of the divisional meetings are pictured above. Top left shows the Industrial Relations meeting. From left around table are G. C. Henderson, chief safety engineer; R. M. James, Training Department; W. T. Hays, Security; Fire Dept. Capt. W. O. Elam; H. O. Ramey, Guard Dept. Chief Miles Bradford; Fire Dept. Chief J.W. Hughey and J. R. Whitcomb. Joe White and Asst. Guard Chief W. O. Watson are shown with backs to camera and across from them are Dean Read and Mary Lou Pate, taking notes of the proceedings. Lee Bagwell, division fire, safety and security coordinator, is standing in rear. Top right shows the Maintenance Division

meeting. From left around the table are Al Groppe, W. L. Morgan, C. B. Newman, C. B. Hopkins, George Mitchel, Nelson Tibbatts, division coordinator; and W. C. Acton, division superintendent. In the lower left picture a joint meeting of Maintenance and Engineering Division is shown with Chief Hughey, J. Clyde Bowles, Engineering Division coordinator; Mitchel, W. D. Lavers, Engineering Division superintendent; Bagwell and Acton in attendance. The Chemical Division meeting is shown at lower right. At rear around table from left are H. T. Kite, T. L. Hart, W. D. Harman, W. S. Herron, division coordinator; H. A. Keen and J. H. Nicholson. Seated from left are Ruth Buttles, Margaret Eager and A. M. Jones. L. D. Brown also was at the meeting but not shown in the picture.

Just In Case— Here Is How To Report Fire

Just in case any Y-12 employee has to report a fire—here are the most important things to do.

1. Call 7208 (or use emergency magneto telephones located at strategic points through the plant).
2. Tell what is burning.
3. Give exact location of fire, including building, room number or section of building.
4. Tell if any extra help is needed such as an ambulance or guards.
5. Give name and number of the telephone used to give the alarm.
6. Don't hang up too quickly, the firemen may want further information.

CAUTION IS VOICED

The Spokane Spokesman-Review reports that in recent addresses at Seattle, Wash., Dr. Herbert Parker, manager of the health instruments division at the Hanford project of the Atomic Energy Commission; and Dr. Joseph B. Hamilton, of the University of California; cautioned against expecting too much too soon in diagnosis and treatment of diseases by radioactivity. Dr. Parker said that hazards of working with nuclear energy have multiplied greatly, but that control and protection are keeping pace.

Home Fire Prevention Knowledge Valuable

(Continued From Page 1)

alarm box. Water application to the fire then is effective in most cases, such as burning wood, paper or fabric. However, water in solid streams is dangerous when used on burning oil, grease, gas or other flammable liquid and also on electrical fires caused by short circuits. Fire extinguishers are recommended for all homes, with the dry chemical type or CO2 or CTC extinguishers considered best for fires which might be spread by water.

Bureau Rules Prizes Taxable

A recent news dispatch from Washington reports that the Internal Revenue Bureau has ruled that any prize won in any contest or drawing is taxable—whether it is a small prize won in an essay contest or an accumulation offered on a radio quiz show. Prior to this ruling a United States Circuit Court of Appeals had ruled that certain prizes cannot be taxed but the Internal Revenue Bureau is confident that the United States Supreme Court will uphold its position and is willing to risk a test case in the matter.

Keglerettes Of Y-12 Play C. & C. Team

The Y-12 women's varsity bowling team will attempt to get back in the win column this week when they meet the Crowe and O'Connor lassies Thursday night at the Oak Terrace alleys. Last week the Y-12-ers dropped two out of three games to the Knoxville Blueprint keglerettes, despite the fact that Margaret O'Neal posted the high single game score of the night for the Oak Ridge City League with a 182.

After dropping the first two games to the Blueprint girls, 679 to 615 and 701 to 639, the Y-12 women rallied in the last contest to post a 736 to 646 victory. Team scores were 2,026 for the winners and 1,990 for the losers.

Margaret O'Neal put together games of 152, 133 and 182—467 to lead her team-mates. Olyne Poin-dexter had a 421 series with games of 114, 157 and 170. Other Y-12 scores includes Ruth Law 138, 119, 138—395; Katherine Jenkins 117, 117, 122—356 and Katie Williams 94, 133, 124—351.

League standing follows:

Team	W	L	Team	W	L
Mims Auto	14	1	C. & C.	8	7
Norris C'mery	11	4	Morat	7	8
ORNL	11	4	Y-12	4	11
Tulip Town	9	6	Fairchild	4	11
K-25	8	7	Knox B'print	4	11
R-A	8	7	Atomizers	2	13

ACS Section Sets Knoxville Meeting

The East Tennessee Section of the American Chemical Society will meet at 8 o'clock Thursday night, October 20, at Dabney Hall, University of Tennessee, in Knoxville. A number of Y-12 chemists who are members of the association are expected to attend the meeting.

David N. Hume, of the Massachusetts Institute of Technology, will be the principal speaker. His subject will be "Analytical Application of Radiochemistry."



K-25 And ORNL Have Excellent Safety Records

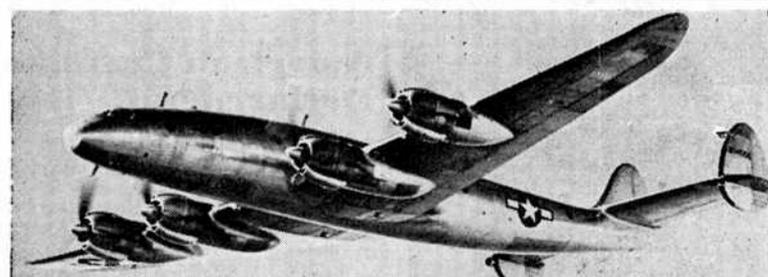
With the Y-12 plant record of days worked without a lost time steadily rising, having passed 110 last Sunday, both the K-25 plant and the Oak Ridge National Laboratory of Carbide and Carbon Chemicals Corporation also are maintaining excellent safety records.

The Oak Ridge National Laboratory recently announced that the laboratory employees had worked more than 1,500,000 man hours without a disabling accident over a period of 156 days to mark the second such accomplishment there.

Meanwhile employees at K-25 also completed their second period of 1,500,000 man hours worked without a lost time mishap, between March 15 and May 16 of this year.

Employees in Y-12 established a similar record last year to earn a handsome bronze plaque from the Company and individual awards for eligible employees.

K-25 already has received a bar to add to the plaque first awarded the plant back in 1947 for its safety record. The ORNL also will receive a similar bar.



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SPORTS NEWS IN Y-12

**Calling All Fish—Dive For Depths;
Y-12 Anglers Entering Ridge Rodeo**

The majority of the host of fishermen around Y-12 are readying their gear for participating in the two-day city-wide fishing rodeo being sponsored by the Oak Ridge Sportsmen's Club to be staged Saturday and Sunday. Prizes valued at \$100 will be awarded winners in the various classifications.

Evan Means, of the Electrical Maintenance Department in Y-12, is chairman of the club's committee in charge of the rodeo. B. N. Strunk, of the Stores Department, is also a member of the committee. **Handsome Prizes Awarded**

A complete spinning outfit will be awarded the fisherman landing the largest game fish of any specie during the two-day rodeo. Then the man, woman or child reporting the heaviest catch on either of the two days of the event will be given a complete fly fishing outfit. Game fish are described in the rules as any fish recognized as such under Tennessee conservation laws and on which the season now is open.

A casting rod and reel will be given the angler reporting the largest rough fish caught during the rodeo. Rough fish include cat-fish, carp, drum and gar.

How To Report Catches

Fishermen reporting their catches for participation will be required to have the weight and measurements of the fish certified at a fishing dock from which they may have operated or at three stores in Oak Ridge. They are the Elm Grove Market, in East Village; Sutton Sporting Goods, Middletown; and Sports Service and Supply, at Jefferson. All the entries must be reported before midnight, October 17, to some member of the rodeo committee or club officials.

One of the strict rules of the rodeo, Means declares, is that all fish entered in the rodeo must have been caught in Tennessee. This rules out, he says, those huge finny specimens from Fontana and Florida.

Anyone wishing further information on the rodeo may obtain it from Means at telephone 7365 or Strunk at telephone 7223.

**Men's Varsity Bowling Team
Whitewashes Exchange Club**

The Y-12 men's varsity bowling team put on its best exhibition of the season Monday night, October 3, at the Oak Terrace alleys when they trounced the Exchange Club keglers by four points to none. The victory advanced the Y-12ers to a tie for fourth place in the league.

Elmo Koons' 218 topped the Y-12 scoring for a single game and he posted a 541 series. However, the top series score was rolled by Nelson Tibbatts with 545. Frank Gragg rolled 521, Ernie Cobble 518 and Rudy Pletz 474.

The Y-12 team scores were 876, 901, 822—2,599 to 801, 846, 803—2,450 for the losers.

SAFETY HELD PARAMOUNT

The New York Times reports that David Cochran and C. A. Hanson, Jr., engineers of the Knolls Atomic Power Laboratory, told the American Society of Mechanical Engineers at San Francisco that inaccurate safety instruments may mean the difference between success and failure for the industrial atomic energy plant now being constructed near Schenectady, N. Y.

If old fools are the biggest fools, its because they've had more practice.

**Katie Williams
Sets Records
In Plant Loop**

Only the Kemps of the three teams in the Y-12 plant Women's League managed to hold the exalted position at the top of the loop shared by three teams the previous week after the groups had finished splintering pins last Wednesday night at the Jefferson alleys. Last Thursday morning the Kemps shared the league lead with the Controllers.

Controllers Tied For Lead

The Controllers drove to a tie for top by taking three games from the Pick Ups and setting a couple of season's marks at the same time. Katie Williams, of this team, rolled high single scratch game of 172, handicap single game of 225 and top scratch series of 444. All were high marks for the young season. Ann Matlock, of the Woes, posted a 611 handicap series score to tie for the best record of the year.

The Hi Balls rolled a 954 handicap single game for tops of the year. The Controllers were high for the night with their 663 scratch single game and handicap series score of 2,708. The Woes had the best scratch series of the night with 1,894.

Kemps Beat Spinners Twice

The Kemps took two from the Spinners last week while the Hi Balls grabbed two from the Woes and the Rattlers two from the Dodgers.

Exercising the women's prerogative to change their minds, the team formerly know as the Pin Twisters changed their name to Spinners. At the first of the season the team was know as the No Names.

League standing follows:

Team	W	L	Team	W	L
Kemps	7	2	Woes	4	5
Controllers	7	2	Rattlers	3	6
Hi Balls	6	3	Pick Ups	2	7
Dodgers	6	3	Spinners	1	8

**Patented Tank Car
Aid To Shipping**

The problem of shipping and handling flour and similar powdery materials may be solved with the use of a recently patented tank car.

The National Patent Council has pointed out that waste of packaging material and labor is eliminated by quickly loading and unloading the tank car with a pneumatic device.

**Alamogordo Desert
Life Is Returning**

Both United Press and Associated Press recently noted in news stories that the blighted area of the Alamogordo desert in New Mexico, seared by the testing of the first atomic bomb in 1945, gradually is returning to normalcy. Vegetation is reported to be creeping slowly back over the territory and it is said to be safe to enter the crater left by the bomb without fear of radiation if the stay is limited to eight hours.



Y-12 Photos By Vince Moore

HE BET ON TENNESSEE AGAINST DUKE—DID GEORGE OLIPHANT, LEFT, AND AS A result John Wallace, right, not only won a dinner but the services of Oliphant in serving the meal. "Lemon—sugar for your tea, sir?" queries George in the picture at the left. "Here's a light, sir," says the obliging Oliphant in the other picture. Wallace, a group leader in Electrical Maintenance, short circuited Oliphant, an electrical engineer in the Engineering Division; in that game but Oliphant is scenting revenge in later encounters as the pair have similar wagers on other Tennessee games. If Oliphant gains his goal—sure, The Y-12, Bulletin will picture the results thereof.

**Strikers Soar To Top
In D League Contests**

The Strikers struck their blow for freedom last Wednesday night in the D League of plant keglers and grabbed off three points from the Angstroms to take first place in the loop. Close behind were the Termites, who gnawed the same number of points from the Old Men to take over second place. Four teams were tied for the next position after the rolling last week with the Isotopes, Splinters, Overheads and Old Men knotted. Trailing were the Materializers and Angstroms.

Stuckenbroeker Is High Scorer

The Strikers were led by George Stuckenbroeker's 212 scratch single game in their victory. George also posted a 508 series and the Angstroms took one game aided by Elkin Burkhart's scratch 181 single game and Dockie Smitn's 159. Stuckenbroeker's scratch single 212 and 256 handicap score gave him tops for the night.

Elmo Koon's high scratch and handicap series scores of 566 and 680 sparked the Overheads in splintering the Splinters for three points. Butch Naive's 604 and George Leichsenring's 601 handicap series scores also helped.

Cobble, Gragg Lead Termites

The Termites climb was marked by a scratch series of 535 by Ernie Cobble and a 506 by Frank Gragg.

The Termites had the best single scratch game of 853 and scratch series of 2,384. In handicap scores the Overheads posted a single game of 1,023 and series score of 2,996.

League standing follows:

Team	W	L	Team	W	L
Strikers	6	2	Overheads	4	4
Termites	5	3	Old Men	4	4
Isotopes	4	4	Materializers	3	5
Splinters	4	4	Angstroms	2	6

ORE SOUGHT IN ARCTIC

Commander Donald B. McMillan, well-known arctic explorer, recently sailed with a crew of prospectors aboard the schooner Bowdion to seek uranium ore in the Far North.



5-9766

**ODD SCORES NOTED
IN B LOOP GAMES**

The keglers in the B League of plant bowlers last Thursday night apparently liked to keep the score keepers alert with odd figures. For instance, M. C. Wiest, the red-headed Comet, missed by one pin of achieving either one of two unique scores. As it was he rolled games of 165, 166, 165 and with a pin difference could have either had a triplet or a straight, each of which is exceptional in bowling circles. Then McLendon, also of the Comets, also seems to be most consistent. He posted a 423 series last week—the same score as he had the preceding week.

**Wolves Slash Rippers;
Set New Alley Records**

The Wolves ripped the throats of the Rippers last Thursday night in B League alley activities to take over the league lead and also set a couple of season's records while doing so. The records set were a team handicap series score of 2,969, a scratch series score of 2,546 and an individual series handicap score of 657 by Roberts. Roberts also had a 576 scratch series, but it was not high for the season.

In addition to the three-point victory of the Wolves over the Rippers, similar margins of triumph were posted by the Bumpers over the Bums, Mules over All Stars, Maintenance over Cubs and the Tigers over the Head Pins. The Comets and One-91 teams split even at two points each.

Dunlap, of Maintenance; and Duncan, of the Rippers; each had 202 scratch single games for tops in that category. Dunlap had the best handicap series with 238. The Rippers posted a 921 scratch single game for the best effort in that line while Maintenance led in handicap single game scores with 1,053.

League standing follows:

Team	W	L	Team	W	L
Wolves	16	4	Cubs	9	11
Bumpers	15	5	Maintenance	9	11
Rippers	14	6	One-91	6	14
Comets	13	7	Tigers	6	14
Mules	12	7	Bums	5	15
All Stars	10	10	Head Pins	4	16

**American Uranium
Declared Sufficient**

Neal Stanford, writing in the Christian Science Monitor, has quoted F. A. Sitton, of Dove Creek, Col., president of the Uranium Vanadium Cooperation Association, as saying that the United States' dependence on foreign sources of dependence on foreign sources of supplies is unnecessary and that this country can produce sufficient supplies if the mining industry is given a "feasible price."

**'Canes Blow Orphans
Out Of C Loop Lead**

Although the Orphans of the C League of plant bowlers monopolized most of the individual scoring honors last Wednesday night the keglers captained by A.F. Kendig ran into some tough luck and dropped four points to the blustery Hurricanes. As a result, the Hurricanes took over top spot in the league and the Orphans dropped down to fourth place.

Guards Also Win Four Points

The Guards also turned in a whitewash victory by trouncing the Moles for four points. The Hooks outscored the Thin Pins by three points to one and the Hornets and Short Circuits divided their four points at two each.

Riddle, of the Orphans, took all of the individual scoring titles for the night. His scratch single game of 205 was high, as was his scratch series of 519. Adding handicap his single game score was 246 and series tally 642.

Orphans' Scratch Scores Tops

The Orphans also posted the high single game scratch team score with a 794 and series of 2,246. However, the Hurricanes blew in with the top handicap scores with 986 for a single game and 2,882 for series.

League standing follows:

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

**Stern Justice
Cancels Savings
From Robbers**

Judges are hard-hearted sometimes.

Recent news dispatches told of a Baltimore, Md., man who tucked \$3 in his shoe as a precaution against robbers—but robbers did accost him after all and took his pants, containing his wallet, but missed the \$3 in his shoes.

Police arrested him for disorderly conduct for being on the street minus pants. The judge fined him \$2.45—making the net saving by foresight 55 cents.

**Work Shelf Attaches
To Cabinet Drawers**

A work shelf, designed for attachment to the bottom of standard filing cabinet drawers, has been patented, according to the National Patent Council.

When the drawer is closed, the shelf is recessed. When the drawer is opened the shelf may be drawn straight out or turned to either side to facilitate work at the filing cabinet.