

RIDGE CHEST GOAL MET 108 PER CENT IN Y-12

\$15,739 Is Given To Local Red Feather Agencies; Roane County Allocated \$2,171 As \$17,910 Raised

94.9 Per Cent Of 5,375 Employees Participate In Twin Campaigns; Is Eighth Straight 'First'

With only a comparatively small handful of pledge cards outstanding, the 1955 Community Chest drives in Y-12 were concluded last week with one of the most whole-hearted and spontaneous responses ever given to the appeal of not one—but two—red feather groups. Figures from the headquarters of Y-12 Plant Campaign Committee W. K. Whitson, Jr., late last week showed that generous Y-12ers had subscribed \$15,739.24 to the Oak Ridge Community Chest, or 108.5 per cent of the assigned goal of \$14,500—then went on to contribute \$2,171 to the four agencies supported by the Roane County Community Chest. That is a total of \$17,910.24 for the two Community chests.

With the Oak Ridge Community Chest seeking to raise \$90,650.25 for its 16 agencies, the money allocated to it by Y-12ers is expected to instill a "give more" tendency on the part of other contributors throughout the Atomic City area.

Incidentally, it is the eighth straight year that Y-12ers have been first of the Carbide Division or similar units in the city to be "first on the barrel head" with cash and pledges through authorized payroll deductions showing their goal reached and topped on the doorstep of Community Chest headquarters.

The 1954 Oak Ridge Chest campaign in Y-12, with a quota of only \$9,000, saw \$11,229 contributed with the plant raising 125 per cent of its assigned quota. All of the

plant's Chest gifts last year went to Oak Ridge agencies.

Ridge Chairman Is Elated

Oak Ridge Chest Campaign Chairman Roland Prince was elated over the Y-12 reports—the first of which was made on Tuesday, November 1, when more than \$15,000 was turned over by Y-12ers.

"We can't thank or praise Y-12 enough for the splendid answer to our call for assistance for our red feather agencies—it seems as you people really make a fine custom of coming through first in such appeals," Chairman Prince declared. His remarks were echoed by E. L. Gentry, auditor for the Oak Ridge Chest; and Miss Julia Calvert, Chest secretary.

Support Almost Unanimous

The almost unanimous support of Y-12ers to the two Community Chest drives is reflected in the figures that show that out of 5,375 employees on the payroll, an even 5,100 contributed either to Oak Ridge or Roane County—a percentage of 94.9. Of this number of contributors, 4,366 directed that their donations go to Oak Ridge, while 734 gave to Roane County.

The significant statistics of percentage of overall participation of employees in the two drives is shown in the reports by the eight

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Dr. Joseph G. Davidson

Petrochemical Growth Is Called 'Amazing'

Dr. Davidson Cites Hydrogenation Plan

Development of the petrochemical industry in the United States was sudden—almost explosive—and built on the cooperation of men of daring vision with understanding and brave and brilliant management, said Dr. Joseph G. Davidson, Vice President of Union Carbide and Carbon Corporation, in New York Friday night, October 28, in accepting the Chemical Industry Medal for 1955. The medal was conferred on Dr. Davidson for "conspicuous services to applied chemistry," at a meeting of the American Section of the Society of Chemical Industry.

230 Times More Production

In his talk, Dr. Davidson pointed out that production of organic chemicals in the United States that had reached only 14,000,000 pounds annually in 1920 now is about 3.2 billion pounds, or nearly 230 times as great.

Morse G. Dial, President of Union Carbide, traced Dr. Davidson's accomplishments against a background of the petrochemical industry and pointed out how vital his services have been to the rapidly growing industry. President Dial presented the medallist for the award, which was bestowed by Wallace P. Cohoe, Past Pres-

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FOR THE EIGHTH STRAIGHT YEAR Y-12ERS ON THE PLANT Community Chest Campaign Committee led the parade to the pay-off table of the Oak Ridge Community Chest last week. From left above are Mabel Tower and Floyd Shook, auditors for the Y-12 committee; Roland Prince, Oak Ridge Chest campaign committee chairman; Y-12 Committee Chairman W. K. Whitson, Jr., E. L. Gentry, auditor for the Community Chest; and Miss Julia Calvert, Community Chest secretary.

'Parking Lot Hogs' Still At It In Y-12; Violators To Leave Jobs To Move Vehicles

Traffic Congestion And Safety Hazards Created By Thoughtless Placing Of Cars In Plant Lots

Y-12's "parking lot hogs" were still at it last week despite appeals for their cooperation in a move to smooth out flow of traffic and eliminate congestion in the plant's five parking areas that will accommodate more than 2,300 vehicles properly placed without crowding. The thoughtless parking in areas plainly marked "no parking"—

for good reason—areas is becoming a growing irritant and potential serious traffic and safety hazard.

Last week a large number of improperly parked vehicles were "tagged" with notices of their violation that also carried a polite appeal for cooperation with the parking rules and regulations plainly laid down by the "no parking" signs and directional stripes painted on the paved portions of the parking lots.

Face Long Walks Back

The "parking lot hogs" who "just have to get up closer" to the pedestrian gates are very likely to lose what little possibly unfair advantage they might gain if conditions are not quickly bettered. Those few brief steps temporarily gained are to be lost and more added by trips from work areas to the scene of improperly parked vehicles when Guard Department and safety authorities start their

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SUPERINTENDENT MURRAY CONGRATULATES Y-12ERS ON CHEST DRIVE SUCCESS

"My congratulations again to the Y-12 employees whose early and generous response to the appeals of the Oak Ridge and Roane County Community Chests has so notably upheld the fine reputation of the plant for promptly answering calls for aid to their fellow men," was the comment of Y-12 Plant Superintendent John P. Murray on learning that the plant had met and exceeded its goal for the red feather agencies.

"My thanks goes to every individual contributor and to members of the plant campaign committee for their tireless work in putting the drive 'over the top' in 1955," Superintendent Murray declared.

Dr. L. M. Currie Named UCNC Vice President

National Carbon Co. Official Is Appointed

Dr. Lauchlin M. Currie has been appointed a vice-president of Union Carbide Nuclear Company, according to an announcement made by Kenneth Rush, President



of this division of Union Carbide and Carbon Corporation. Dr. Currie had been vice-president of National Carbon Company, another division of Union Carbide. During the war years, he was Associate Director of War Research for the Manhattan District Project at Columbia University.

Dr. Currie joined Union Carbide as a research chemist for National Carbon Company at Cleveland, Ohio, in 1925. Subsequently he was given administrative positions in both research and production with National Carbon and also Bakelite Company, another division of the Corporation.

APPETIZING ENTREES SELECTED FOR Y-12 SPECIAL LUNCHES

Salmon croquettes with parsley sauce will be the main item of the Y-12 Cafeteria 50-cent Special Lunch to be served tomorrow, Thursday, November 10. On next Tuesday, November 15, the entree will be stuffed pepper with cheese topping. Each Special Lunch includes one vegetable, choice of salad or dessert and rolls and butter.



HERE ARE THE 11 ARTICLES SELECTED BY BALLOT OF UNION CARBIDE NUCLEAR COMPANY EMPLOYEES in the Y-12 Plant Area to be offered as individual safety awards for the 16th Union Carbide Safety Period established in the plant. From left in front are a lunch box with one-pint Thermos bottle, set of steak knives, 25-foot steel tape, wall can opener, electric vaporizer, adjustable wrench, French fried potato cutter and plier set. In the rear are a desk light, plastic garment bag and a TV tray with leg folded for display purposes.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
Seven Days Or
231,035 Man-Hours
(Unofficial Estimate)
Without A Lost Time
Accident
Through November 6

The Bulletin

Published Weekly By And For
Y-12 Employees Of
UNION CARBIDE
NUCLEAR COMPANY
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GEORGE W. DOBBS . . . Editor
OFFICE
Bldg. 9704-2 Room 223
Telephone 7751

Groups Set Joint Meet To Hear Naval Lab Man

Pelleni To Address Metals Group, Welders

A large number of Y-12 members of the American Society for Metals and the American Welding Society are expected to attend a joint meeting of the group next



Wednesday, November 16, in Knoxville. The meeting will be at the S. & W. Cafeteria in Knoxville, with a "roast beef dinner" beginning at 6:45 p.m., with W. S. Pelleni, superintendent of the metallurgy division of the Naval Research Laboratory at Washington, D. C., to be the speaker at 8 p.m.

"Brittle Fracture — Cause and Prevention" will be the speaker's subject. He will analyze the cause of such fracture in large welded structures and show that the problem arises from the uses of steels of inadequate notch ductility.

Pelleni graduated from Carnegie Institute of Technology in 1949 with a B. S. Degree in metallurgy. After service in the Navy he was at one time with the Atomic Energy Commission in Oak Ridge before joining the Naval Research Laboratory in 1948. He received the Washington Academy of Science Award in 1954 for achievement in the engineering sciences.

Reservations for the dinner should be made by Y-12ers not later than next Monday, November 14, with A. Tobaoda, plant telephone 7375, representing the ASM; or J. C. Thompson, plant telephone 7-8215, of the AWS.

10 Years Service

Congratulations to the following Y-12 employees who will complete 10 years of Company Service within the next few days:

Chester L. Estes, D Mechanical Operations, November 15.

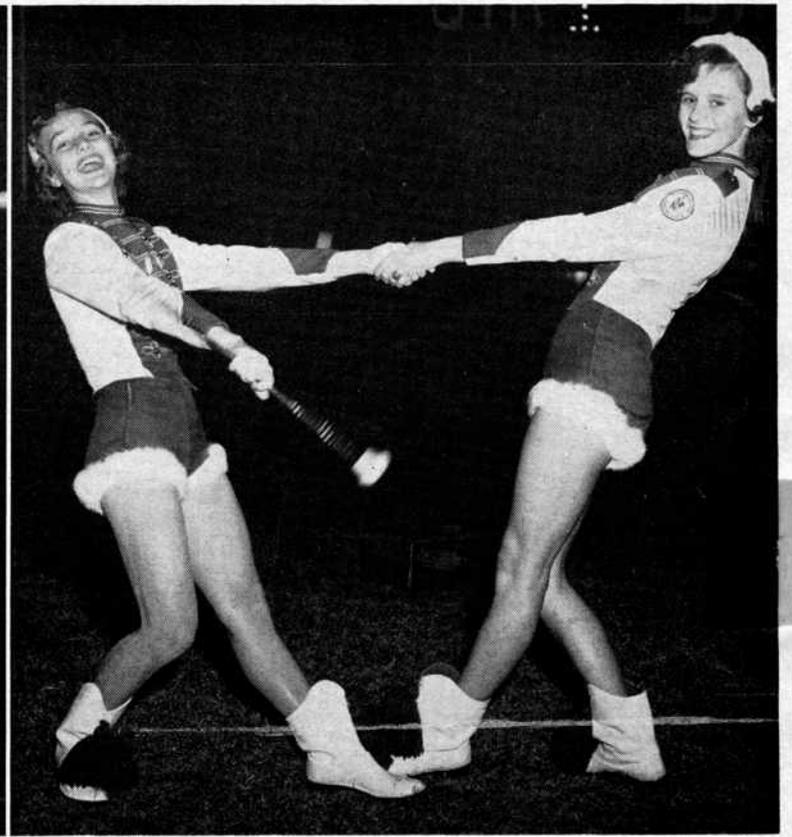
Carl E. Manis, Buildings and Grounds, November 15.

Paducah Load Flow Study To Be Given AIEE Meeting

A description of the digital computer load flow studies at the Union Carbide Nuclear Company's gaseous diffusion plant at Paducah, Ky., will be given at the November meeting of the American Institute of Electrical Engineers in Oak Ridge next Tuesday night, November 15. The session will be in the Coral Room of the Ridge Recreation Hall and all Y-12 members of the organization and the public is invited to attend. The speaker will be William D. Plengey, of K-25, well-known for his lectures on load flow studies.



WHEN THE OAK RIDGE WILDCAT FOOTBALL TEAM APPEARS FRIDAY night of this week the scene will be enhanced by the presence of a dignified color guard for the Stars and Stripes and the Oak Ridge High School flag and a sprightly bunch of drum majorettes, two of whom are daughters of Y-12ers, shown at right. Of the color guard, three of the four are sons of Y-12ers. From left they are Ed Pollard, son of E. R. Pollard,



Sr., Research Services; Rex Clements, Don Stinnett, son of E. C. Stinnett, of the General Machine Shop; and Gary Pollard, a brother of Ed. The two girls are June Connerly, right, daughter of P. J. Connerly, of Colex Operations; and "Andy" Davis, left, daughter of John P. Davis, A Mechanical Operations. Another picture of the entire group of majorettes is on Page Four.



Because of an overflow of spot news and pictures and the fact that the Column Conductor's feet hurt—the colyum will be slightly curtailed this week with mention of unaccounted for vacationists and other minor notes omitted for this time only.

So let's get on with it.

SUPERINTENDENTS

General Utilities is rejoicing with **E. E. Robertson** and his good wife over the birth on October 29 of their fifth son — this one weighed seven pounds and 13 ounces so they aren't throwing him back in.

Folks around the Plant Shift Superintendent's Office are agog over those nifty watches received by **Dan Rader** and **S. F. Creigh** last week up in South Charleston, W. Va., in recognition of 25 years of Company Service.

MANUFACTURING OFFICE

Timekeeping extends condolences to **Bertie Fitzgerald**, whose aunt died last week at Celina, Tenn. . . . The department rolled out the welcome mat last week for **H. A. Phillips**.

Property Sales hopes **C. G. McCulley** recovers soon from his eye operation.

Jim Sykes, Plant Records, is out trying to shoot him a deer this week while vacationing.

Daytona Beach, Fla., has a year around charm for Y-12ers — this week's vacationer there is **Martha Parks**, Accountability.

CHEMICAL

Product Processing extends a warm hello to newcomer **Sue Borum**.

MAINTENANCE

Sam Bryant, Building and Grounds, reports Mrs. B. is leaving November 14 for a visit to Mexico City to be with their daughter, Mrs. Mary Vandefeller and her missionary husband prior to their departure for a four-year assignment with the Indians in the wilds of Bolivia—they leave January 1. Congratulations to **J. W. Minchey**, who was elected vice president of the Oak Ridge Subsection of the American Society of Civil Engineers last week.

The **Elmore Koonse** — he's in Process Maintenance and **Mavis** is with B Mechanical Operations — are back from that New Orleans and St. Louis jaunt in which they were accompanied by the **Clarence Johnsons** of Safety and Assay Laboratory. In New Orleans Elmore tauted Clarence over being "burned up" with the succulent raw "esters" on the half shell as a result of an overdose of horseradish and tobasco. Elmore, who didn't know any more than Clarence about the procedure, however, declared the bivalves good, although no pearls.

V. W. "Pappy" Arms was warmly welcomed back last week by Research Services after being off ill for too long a time—Pappy wants to express his heartfelt appreciation to fellow employees for their kindness to him over that trying period . . . **J. B. Farmer** is receiving back slaps over the arrival of a new baby born last week — no more statistics.

Planning and Estimating is sending get-well wishes to **H. D. Duncan**, ill in Baptist Hospital in Knoxville . . . Likewise to **Bill Rose**, still out ailing.

Field Maintenance reports **Marvin Short** has joined the Proud Pop's club—qualifying November 1 when a new daughter was born in Ft. Sanders Hospital, Knoxville.

Electrical Maintenance hopes Mrs. **T. G. Crabtree** recovers soon from her serious illness . . . Rapid-recovery wishes also to **J. H. Whidden** . . . **G. F. Beck** is vacationing this week to be with his seriously ill mother . . . Sympathy is extended **J. S. Jones**, whose grandfather died last week.

O. A. Lineberry, Beta Four Maintenance, is vacationing this week hunting game around La-Follette . . . Get-well wishes are sent the father of **R. A. Wallace**, who is ill in St. Mary's Hospital, Knoxville.

MECHANICAL OPERATIONS

Geneva Carter, Mechanical Operations Division, is spending a week in Jacksonville, Fla.

Another Proud Pop clubman is **J. R. Davis**, A Mechanical Operations, who became eligible when a five-pound son, **Danny Bruce**,

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Color Guard, Majorettes Posts Prized

If a little extra spark of pride shows on the faces of some Y-12 parents when the Oak Ridge High School color guard and aggregation of drum majorettes take the field on football nights, it may be rightfully worn. Three of four youths forming the color guard and two of the eight majorettes are sons and daughters of Y-12ers — and several other youngsters of Y-12 parents also perform with the band and the football team.

Pollard Brothers Are Riflemen

In the color guard, bearers of the rifles are brothers—both sons of E. R. Pollard, Sr., of Research Services. They are Ed Pollard, Jr., and Gary Pollard. The other son of a Y-12er in the group is Don Stinnett, who usually carries the ORHS flag. Proud supporter of the flag of the United States usually is Rex Clements, whose dad works at K-25.

In the corps of majorettes are June Connerly, daughter of P. J. Connerly, of Colex Operations; and "Andy" Davis, whose father is John R. Davis, of A Mechanical Operations.

Reuirements Are Cited

Membership on either the color guard or the majorettes is highly prized by pupils at ORHS. To become a member of the color guard a boy must be able to drill and follow military commands. Height is another important factor, as can be seen in the case of the flag bearers.

Three of the four youths on the color guard are members of the Oak Ridge Squadron of the Civil Air Patrol—the Pollard boys and Clements. Ed Pollard, Jr., is cadet first lieutenant in the CAP and sergeant of the color guard, on which he is serving for the second year. Last summer he flew to Holland as an exchange cadet for summer training. Gary Pollard is a cadet second lieutenant and Clements is a cadet sergeant in the CAP.

Appearance alone is not required to be a majorette—although it is a major factor. Sense of rhythm, enthusiasm and physical stamina also are among the qualities necessary to be a success in the group.



Get-well wishes are sent to the following Y-12 employees who were patients in the Oak Ridge Hospital last week:

Harlan Wright, Recreation; Roy Johnson, Buildings and Grounds; H. D. Pierce and M. A. Pitts, Process Maintenance; W. C. Rose, Planning and Estimating; William H. Rice, Civil and Architectural Engineering; A. B. Anderson, F Mechanical Operations; Juanita Reed, Security; D. H. Allen and R. H. Bradshaw, General Machine Shop; R. H. Gillespie, Production Inspection; Lucas A. Nation, Product Processing; V. L. Peppers and N. L. Derryberry, Field Maintenance; Jackie L. Minton, Colex Operations; W. L. Fairbanks, E Mechanical Operations; R. A. Bates, Jr., A. O. Phillips, Materials Delivery; J. N. Lee and W. T. Cale, Janitors.

ACS Lectureship Set For November 16, 17

Meetings Are Slated For Ridge, Knoxville

The outstanding event of the season for the East Tennessee Section of the American Chemical Society—the eighth annual Lectureship Program—will be held on November 16 and 17 in Oak Ridge and Knoxville. Dr. George B. Kistiakowsky, professor of chemistry at Harvard University, is the recipient of the lectureship by the section for this season.

Ridge Meeting Set Wednesday

On next Wednesday night, November 16, the program will be held in Oak Ridge with a dinner at 6:45 p.m. at the Oak Terrace preceding the lecture at 8 p.m. at the Robertsville Junior High School cafeteria. On the following night Dr. Kistiakowsky will speak at 8 p.m. at Dabney Hall, University of Tennessee, Knoxville.

In his talk at Oak Ridge Dr. Kistiakowsky's subject will be "Detonation Waves as a Research Tool." In Knoxville, his topic will be "Some Free Radical and Atomic Reactions."



CONCERNED—CAREFREE—CASUAL, ALL THREE TYPES OF APPROACH TO THEIR ALLEY ACTIVITIES ARE shown by these Y-12 feminine bowlers in the Mixed League. From left are Sue Strange, of the Mix Ups; Evelyn "Fiz" Tucker, of the Nip and Tucks; and Jeri Kobisk, of the Oleos.

Hot Wires Gain Tie In C League

The Hot Wires climbed back into a tie for first place in the C League of plant keglers last week by trouncing the Q Balls for three points. Similar wins were posted by the Hornets over Murderer's Row and the Deltas over the Glass Arms. The Rusty Five and Sooners divided.

Frank Tiller had best game scores with 215 scratch and 249 handicap. V. Williams topped the series scorers with 550 and 631. The Hot Wires took most team scoring honors with an 830 scratch game, 2337 scratch series and 2870 handicap series.

League standing follows:

Team	W	L
Q Balls	19	13
Hot Wires	19	13
Rusty Five	18	14
Murderer's Row	17	15
Hornets	16	16
Deltas	15	17
Sooners	13	19
Glass Arms	11	21

Playhouse 'Boy Meets Girl' Has Three Y-12ers In Cast

"Boy Meets Girl," the comedy about life in Hollywood to be presented by the Oak Ridge Playhouse Thursday, Friday and Saturday of next week, November 17, 18 and 19, has three Y-12ers in important roles and other Union Carbide Nuclear Company employees in the cast. The play will be presented at the Jefferson Junior High School auditorium with curtain time at 8:20 o'clock.

The Y-12 thespians in the presentation are Bob Wilder, Colex Operations, cast as the cowboy; Helen Clark, Special Testing, as a manicurist; and Jean Finney, Production Analysis, as a nurse. Curt Beusman, a UCNC employee in the Y-12 Plant Area, has the male lead of the "Boy" in the performance, and Anita Barker, daughter of a former Y-12er, is the "Girl." Others in the cast include Joe Gray, Alex Zucker, Hal Weissberg, Joan-Ellen Zucker, Jack Estabrook, Don Geffen, R. N. Lyon and Paul Ebert, who also is director for the Playhouse.

Last Corrosion Clinic Meet Set In Oak Ridge Thursday

The fourth and final of a series of sessions at the first annual corrosion clinic being held in Oak Ridge and Knoxville under auspices of the East Tennessee Section of the National Association of Corrosion Engineers will be held at 8 o'clock tomorrow night, Thursday, November 10, in Oak Ridge. The meeting will be held at the Knights of Columbus hall in the Jefferson Circle section and the speaker will be John L. McPherson, of the Blaw-Knox Co., Pittsburgh, Pa., who will speak on "Design and Fabrication of Process Equipment."

SCREWBALL BOWLER GETS HONOR FROM A. B. C.

Teammates of G. B. Anderson on the Screwball team in the Classic League of Y-12 plant bowlers vow the team's name doesn't describe the feat Anderson achieved at the Oak Terrace alleys last Thursday night. During the regular weekly league competition, Anderson stepped to the line to face the extremely difficult "4-6-7-10 split," and calmly proceeded to knock over this widely separated pins to earn a shoulder patch from the American Bowling Congress in recognition of the deed. It's like a homer with the bases loaded or a 100-yard punt return in football—one of the sport's greatest thrills.

Rides Wanted, Offered

Ride wanted from Joy Restaurant, Oak Ridge Highway at Karns, Knox County, to Central Portal, D Shift. A. B. Seabolt, plant telephone 7151, home telephone 8-4759, Knoxville.

Car pool member wanted from Robertsville and Briar Roads, Oak Ridge, to North Portal, straight day. E. H. Penland, plant telephone 7207, home telephone 5-6358, Oak Ridge.

Want to join car pool from Florida Ave., Oak Ridge, to North Portal, straight day. N. E. Bolton, plant telephone 7-8698, home telephone 5-1835, Oak Ridge.

Ride wanted from Norris to Clayton Hall, straight day. Viri Hobson, plant telephone 4381, home telephone 6973, Norris.

Two riders wanted from Fountain City to any portal, straight day. C. G. Selvidge, home telephone 6-1623, Fountain City.

Ride wanted from 328 Outer Drive to North Portal, straight day. Neva Hair, plant telephone 7080.

Riders wanted from Clinton to North or Central Portal, straight day. C. F. Brewer, plant telephone 7735, home telephone 981-W, Clinton.

Rider wanted from vicinity Belle Morris School, Knoxville, to East or Central Portal, straight day. O. W. Morris, plant telephone 7993, home telephone 6-9300 Knoxville.

Ride wanted from West Knoxville near Bearden to Central or West Portal, R Shift. F. S. Bowman, plant telephone 7639.

Members Urged To Obtain Credit Union Statements

Y-12 Employees Credit Union members are urged to pick up their statements for the three months ending October 31 at the office in the North Portal Building. The statements contain a complete report of the member's ac-

Masters, Experts Tie In Pistol Loop

The Masters team in the Y-12 Pistol League tied in scratch firing with the Experts in the closest match in league history on Thursday, October 27, each team posting 684. The Experts came out ahead in handicap scoring by 857.233 to 852.889. The outcome still gave the Masters the league lead although they lost their first points of the season. In the other match of the night the Marksmen retained second place by only one point as they were trimmed twice by the Sharpshooters, 503 to 499 scratch and 580.289 to 577.837 handicap.

High gun for the night was P. H. Williams, of the Sharpshooters, with 263 scratch and 293.307 handicap. The next firing by the pistolers will be tomorrow night, Thursday, November 17. Both the rifle and pistol teams will be idle the following week because of Thanksgiving.

League standing follows:

Team	W	L
Masters	6 1/2	1 1/2
Marksmen	4	4
Sharpshooters	3	5
Experts	2 1/2	5 1/2

Has Beens Hop Over All Stars To Lead

The Has Beens hopped into first place in the Classic League last Thursday night at the Oak Terrace alleys by popping the Playboys for a three-point win while the slumping All Stars, previous holders of the top spot, were being whitewashed by the up and coming Wolves. The rampaging Rippers bettered their record by handing a similar defeat to the Swingsters and the Screwballs took three and one-half points from the Wasps. The other two matches saw the Rebels rout the Tigers and the Bumpers curb the Cubs, each by three points.

Sharp bowling by Roy Roberts and Jack McLendon helped the Has Beens to the top of the heap. Roberts had the best single game scores with a 223 scratch, boosted to 245 with handicap. However, it was the Rippers that swept the board in team scoring highs with 885, which was tied by the Has Beens, 1021, 2529 and 2937.

League standing follows:

Has Beens	25	11
All Stars	23	13
Cubs	21	15
Swingsters	20	16
Rebels	20	16
Wolves	20	16
Bumpers	19	17
Rippers	18	18
Screwballs	15 1/2	20 1/2
Tigers	14	22
Wasps	10 1/2	25 1/2
Playboys	10	26

count as to the status of their share holdings and loans, if any.

Remember—Only you can
PREVENT FOREST FIRES!

Basketball, Volleyball Interest Grows In Y-12 For Meetings Set Next Week

Managers Or Team Representatives Called To Organization Sessions Wednesday, Thursday

Since the first call for basketball and volleyball teams to form Y-12 Plant leagues in both sports was issued last week, interest in the Recreation Department projects for the coming season is rapidly growing, plantwide reports indicated. The Recreation Department began as early as last Thursday to receive evidence of this interest in the form of blanks filled out by Y-12ers stating their desire to play either one, or both, sports during the coming fall and winter season.

The first organizational meetings for both basketball and volleyball are slated for next week at the Recreation Office, Room 221, Bldg. 9704-2. The basketball meeting is slated for 10 a. m. on Wednesday, November 16, while the volleyball session is set for the same time the following day, Thursday, November 17.

At these meetings all captains or representatives of teams already formed or groups desiring to enter leagues in either sport are urged to attend so that plans can be made for an early start of competition.

Urged To Fill Out Blank

In the meantime, to obtain a plantwide view on participation in basketball and volleyball this season, the Recreation Department is urging all Y-12ers interested in playing either or both sports to fill out the blank at the bottom of this page and send it in—regardless of whether they already have affiliated with some team. Anyone desiring further information is asked to communicate with the Recreation Office, telephone 7751.

Gymnasium space for basketball practice already has been arranged for at the Robertsville Junior High School and the Oak Ridge High School and squads wanting to stage workouts may make reservations at the Recreation Office.

Nip And Tucks Go To Mixed Loop Lead

The standings in the Mixed League of Y-12 keglers became considerably mixed up last week as the Nip and Tucks nudged their way into first place with a whitewash win over the Strike Outs while the Mix Ups were taking a similar win over the Pin Ups to deadlock second place. The Oleos greased the skids for the Rocks by three points. The Pin Ups and Mix Ups still have a tied frame to roll off in the loop.

Rogers, Strike Outs; and Wright, Pin Ups; staged an unusual tie for both scratch and handicap games at 193 and 243. Ratjen, Nip and Tucks, had top series scores of 488 and 605. The Mix Ups had a 625 scratch game, boosted to 848 with handicap; and a 2273 handicap series for best of the night and the Nip and Tucks barged through with a 1696 scratch series.

League standing follows:

Team	W	L
Nip and Tucks	16	8
Pin Ups	15	8
Mix Ups	15	8
Strike Outs	12	12
Oleos	9	15
Rocks	4	20

*Have tied frame to roll off.

Sportsmen's Lead Taken By Bombers

The B Shift Bombers forged to top of the class in the Sportsmen's League of Y-12 shift scheduled keglers last week by trouncing the Knuckleheads for three points to break a previous tie. Len Hart's 537 scratch series and Gib Hatmaker's 201 scratch game helped the victors along. Ed Sise had a 229 scratch game for best of the night to lead the Rebels over the Ridgerunners by three and in another match the Sunflowers turned back the undermanned Eight Balls with a four-point whitewash. The Bombers took most of the team scoring honors with an 801 scratch game, 2221 scratch series and 2734 handicap series. The Ridgerunners posted a 960 handicap game for tops.

League standing follows:

Team	W	L
Bombers	7	1
Knuckleheads	5	3
Sunflowers	4	4
Ridgerunners	4	4
Rebels	3	5
Eight Balls	1	7

Y-12 Rifle Team Defeated By ORNL

The Y-12 rifle team was beaten by the Oak Ridge National Laboratory gunmen in both scratch and handicap scoring last week, 905 to 817 and 970.633 to 965.484. C. G. Brewster led Y-12 in scratch firing with 173 and was followed by W. B. Davis 165, R. L. Vanderpool 161, S. E. Adams 160 and M. W. McGuffin 158. Y-12 handicap scores were Davis 194.400, Adams 193.600, Brewster 193.394, McGuffin 192.250 and H. W. Harris 191.840.

In Y-12 Plant Rifle League firing the Pin Wheels have a two won and none lost mark, the Spotters and Misses one and one records and the 10-Xs none and two. S. E. Dedman was high for the Pin Wheels with 193.600, J. W. Rule topped the Spotters with 191.840 and W. B. Davis was high gun for the Misses at 194.400.

D Shifters Set Big Turkey Shoot

With Thanksgiving not far off, the D Shift has set a turkey shoot to give its eagle-eyed members an opportunity to win a fowl for the big traditional meal. The event will be held at 10 o'clock next Tuesday morning, November 15, at the Oliver Springs airport. All D Shifters are invited to turn out and try their hand at the target shooting.

RECREATION OFFICE Room 221, Bldg. 9704-2

I am interested in helping to organize and play on a team in a Y-12 Plant League for

() Basketball () Volleyball

(Check One Or Both)

NAME _____ PLANT PH. _____

SHIFT, IF ANY _____ BLDG. NO. _____

UNION CARBIDE NUCLEAR COMPANY

A Division of

Union Carbide And Carbon Corporation

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Permit No. 71

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joined the family October 31—it wasn't a trick or treat deal, either, he says . . . **J. R. Wells** is vacationing over at home on the Oak Ridge Highway . . . **A. J. Naleppa** and family vacationed in Pennsylvania with his parents.

R. H. Burns, F Mechanical Operations, rested at home in Kingston last week . . . **J. L. Brown** has joined the lads taking courses from LaSalle Extension University, Chicago, and is studying law . . . **A. B. Anderson** is slowly recovering from that head injury in Oak Ridge Hospital and receiving get-well wishes.

J. F. Harvey, General Machine Shop, is improving the shining hours of vacation by working on his new home over in Burchfield Heights . . . **C. P. Wilkins** just rested at home in Knoxville last week . . . **S. Smith** went to Carrollton, Ga. . . **W. D. Biddix** is over at Gastonia, N. C. . . **Russell Allstun** is trying out the fishing around Florence, Ala. . . **J. N. Brewer** entertained his parents from Spartanburg, S. C., last week. . . Get-well wishes to **D. H. Allen**, in Oak Ridge Hospital.

INDUSTRIAL RELATIONS

The entire division and many friends all over the plant of **Hazel Lane**, secretary of **George W. Flack**, Industrial Relations Superintendent, extend deepest sympathy to her over the death of her father, **N. A. Zingerman**, last week. The Guard Department welcomes **S. R. Ray** and **J. E. Morgan** back after long periods of illness.

Juanita Reed, Security, is receiving rapid-recovery wishes in Oak Ridge Hospital.

Harlan Wright, Recreation Supervisor, had a real misery in the back last week when a rambling kidney stone sent him to Oak Ridge Hospital for a day or so.

TECHNICAL

Civil and Architectural Engineering hopes **W. H. Rice** will soon be out of Oak Ridge Hospital.

Sarah Gambill is back on a solid food diet after her tonsilectomy and has returned to work in Development Operations . . . The department extends a friendly "Hi there" to newcomer **Sidney G. Holder, Jr.**

ALLOY

Alpha Five had a hard time keeping up with "**Bud**" Fisher last week—with helping out with all that Community Chest statistical work and undertaking the duties of a new father—a new daughter arrived in the menage November 2 in Knoxville, no further information . . . **Brad Napier** is doing his deer hunting in Kentucky this week . . . **J. M. Rue** is just loafing around home in Kingston . . . The new car fraternity has been joined by the same Mister Rue, also **S. R. Brown** and **E. M. Elliott**.

Over in Alpha Four they're talking about—**A. C. Smith** is heading for Ft. Wayne, Ind., to vacation with his wife's folks . . . Here's a tall one—**Senor L. B. de Zavala** is galloping for his home town of Houston (that's in TEXAS, suh) and claims he has to return once a year to retain his citizen-

'Parking Lot Hogs' Still Causing Trouble

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planned campaign of notifying owners of such vehicles to move them to legal areas. The result—time lost from work, and that long walk back.

Fortunately, the violators of parking rules in Y-12 form a very small—although unpopular—minority that can cause a lot of trouble in congested traffic and possibly accidents to pedestrians and other automobiles as traffic jams unfold themselves in rush hours.

Cooperation Can Solve Situation

Just a little cooperation can straighten out the entire irritable situation—so how about it, folks?

What do you think might happen if a real evacuation signal was sounded? It would be pretty tough with one or two improperly parked cars blocking perhaps hundreds. It isn't quite fair, is it?

ship . . . Keeping home fires burning are **H. N. Bishop**, who plans to comfort his daughter soon to undergo a tonsilectomy at Ft. Sanders Hospital in Knoxville . . . Also close by the home hearths are **E. J. Yearwood** at Fountain City. . . Also **O. N. Copenhagen** rollin' his own out near White Wing . . . Glad to hear that **R. H. Morton** didn't have to hitch-hike back from Chapel Hill, N. C., after the Heels-Vol ball game . . . The traveling threesome—**Wanda Livesey**, **Jo Ann Baker** and **Bucky Marler** (the latter an ORNLabber) took off again last week end but not far—just to Knoxville to see the Techs and Tennessee play football . . . They had to enlarge the crib at Ft. Sanders Hospital to accommodate nine - pound, 10-ounce Ray Gordon Rudd, son of Mr. and Mrs. **J. P. Rudd**—the youngster stuck his nose into the world's business October 21 . . . Famous last words—"You can't possibly hurt me—go ahead," sadly spoken by **Buddy Gragg**, who has abandoned his career as a boxing instructor since his first—and last—pupil, **Joe Dick**, followed orders and really tied one on teacher, resulting in three busted ribs . . . The **G. R. Jasny**s are entertaining his parents who came aviating down from New York . . . **I. M. "Crockett" McPeters** plans on spending his vacation hunting for bear, deer and boar. Hope he has better luck than **J. E. Disney** and **Luther Clevenger** who recently oiled up their rifles for the same game and only found where the boar had been. **Lawrence Agbert Howard** needs a hat rack and is confining his stalking to deer only over in Cumberland County. . . Get-well wishes from the gang go to **Luther Hall** who is at home ill in Oliver Springs.

It's a nasty slam by a spinster who takes pains to point out that—"A smart girl can get a new gown without half crying."

That's all there's room for this week—so long.

STATIONS PRIVATELY OWNED

There are more than 200,000 automobile service stations in the United States and 95 per cent of them are owned or operated by independent local dealers.



THE EIGHT ATTRACTIVE GIRLS THAT FORM THE OAK RIDGE HIGH SCHOOL CORPS OF DRUM MAJOR-ettes are shown above. From left are Nancy Bowman, "Andy" Davis, Mary Ann Reid, Dola Fae Terry, Judy Evans, Evelyn Owens, Carolyn Moore and June Connerly. Misses Davis and Connerly are daughters of Y-12 employees.



Safety Award Selection Cards Being Distributed

Distribution of individual safety award selection cards throughout the Y-12 Plant Area will begin today, Wednesday, November 9, to allow Union Carbide Nuclear Company employees participating in the 16th Union Carbide Safety Period to choose one of the 11 articles being offered. Distribution of the selection cards will be through Supervision as in the past and employees eligible to receive the awards are asked to make their choice and return the cards as soon as possible. This will enable the Safety Department to expedite its order for the chosen items and speed up final delivery.

Copies of pictures of the 11 articles offered, appearing in The Bulletin this week, also will be distributed to various departments throughout the plant to help employees make their final choice. No other display of the articles will be made.

Dr. Willard Will Speak At Analytical Group Meet

Dr. Hobart H. Willard, professor emeritus of chemistry at the University of Michigan, will speak to the Analytical Group of the East Tennessee Section of the American Chemical Section tomorrow night, Thursday, November 10. The meeting will be at 8 p.m. in the cafeteria at the Robertsville Junior High School.

Dr. Willard, who also has been a consultant for the Atomic Energy Commission since 1950, will speak on "Fifty Years in Chemistry." He received his bachelor's and master's degree from the University of Michigan in 1903 and 1905 and his Ph. D. from Harvard in 1909. He has won several outstanding honors in the field of chemistry, including the Fisher Award in 1951 and the Analytical Chemistry Award in 1953.

BREAKFAST IS IMPORTANT

Breakfast is an important meal because it supplies one-third to one-fourth of the foods needed each day. Man's energy is lowest after the long stretch between dinner at night and breakfast the following morning, when perhaps more than any time of day a good meal is needed to quickly renew the lost energy.

It's sensible to be safe.

Amazing Growth Of Petrochemical Industry Cited By Dr. Davidson

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ident of the (international) Society of Chemical Industry.

"In looking back over the past 35 years, I am amazed at the growth of what has come to be known as the petrochemical industry in the United States," Dr. Davidson said in introducing his "Anecdotal Reminiscences."

Growth Almost Explosive

"The growth was sudden—almost explosive. Prior to the 1920s, we had in the United States an organic chemical industry, but it was small. The total sale of chemicals that we would now include in the category amounted to only 14,000,000 pounds as against 3.2 billion pounds today. Furthermore, many of the chemicals, such as acetone, acetic acid and methanol were made by processes that not even faintly resemble the present processes."

Describing step by step experiences of himself and his associates in developing ethylene glycol and its derivatives, Vinylite, polyethylene and other related products, Dr. Davidson pointed out the many factors that can cause trouble even when the fundamental chemistry of the process is well understood. The latest enterprise he discussed was the yet incomplete hydrogenation of coal to yield valuable chemical raw materials. Of this, Dr. Davidson said:

Found Out "The Hard Way"

"It has been a long, hard and bitter battle. Our chemistry is sound but the mechanics is very difficult in dealing, as we are, with pressure in the range of 3,000 to 7,000 pounds and temperatures from 400 to 700 degrees Centigrade. To do this on an industrial scale is a large program. We found that out the hard way. We have had to revamp and modify our unit plant that cost \$11,000,000 originally, very extensively, but we think we now are very close to an economic solution of our problem.

"It probably will be another year or two before we can finally run up the flag on coal hydrogenation. We think a plant to hydrogenate approximately 1,000 tons of coal per day is the minimum size for economy while the optimum size may be anywhere from 3,000 to 6,000 tons per day. This will mean a huge investment, but even now we must admit to the expenditure of approximately \$32,000,000 from beginning to date on this whole program. A plant to hydrogenate 1,000 tons of coal per day with all of its facilities, including hydrogen production, probably will run anywhere from \$50,000,000 to \$100,000,000.

"This illustrates again the need for men of daring and vision who are willing to embark on voyages over uncharted seas and wager their whole future on a successful outcome of this kind of venture. It also requires, of course, understanding, brave and brilliant management who have the ability and

willingness to invest large sums of money which will return to them slowly and, in some cases, perhaps not at all. On the other hand, the successful fruition of these explorative expenditures can be very soul-satisfying indeed.

"It was 10 years from the conception of the idea until we were certain that Vinylite was a commercial success and we have been working on coal hydrogenation since 1936, 19 long years."

Oak Ridge Chest Goal Subscribed 108 Pct.

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divisions of the plant. Percentage wise for the two drives Industrial Relations led with 99.3 per cent of its members giving to one or the other of the drives. Alloy was second with 97.3 per cent and Maintenance third with 96.6 per cent.

Mechanical Operations and Maintenance, the two big divisions of the plant with 1,038 and 1,826 employees respectively, were close together in topping their Oak Ridge quotas with 119.2 and 112.1 per cent. Superintendents and Utilities with only 180 employees posted a quota percentage raised of 152.9, Technical with 483 employees had 122.2 per cent of its quota and Alloy with 692 employees raised 112.4 per cent.

No quotas were kept for the Roane County Chest as that organization did not attempt to set one in asking Carbide personnel in Oak Ridge to help them meet a \$17,000 goal.

The final figures showed that 81.2 per cent of Y-12 employees gave to the Oak Ridge Chest while 13.7 per cent choose Roane County for their donations.

Committeemen Highly Praised

Chairman **W. K. Whitson Jr.**, highly commended members of his plant campaign committee for "their cooperation and fine work in lining up their divisions behind the Community Chest drive to make it such a resounding success." Division representatives on the committee were **R. D. Williams**, Alloy; **F. M. Tench**, Chemical; **J. E. Campbell**, Industrial Relations; **D. G. Hill**, Maintenance; **Nelson Bethea**, Manufacturing Office; **E. R. Watkins**, Mechanical Operations; **W. S. Porter**, Superintendents and Utilities; **L. P. Twichell**, **George W. Mitchel**, **W. A. Pfeiler** and **Louise Whitman**, Technical. **J. L. Hamon**, Atomic Trades and Labor Council, American Federation of Labor; and **G. A. Atchley**, International Guards Union of America, Local No. 3, represented organized labor on the committee.

Chairman Whitson also praised the work of **Mabel Tyer** and **H. F. "Bud" Fisher**, of the Alloy Division; and **Floyd Shook**, Safety; for their efforts in keeping the paper work and auditing up to date in the drive.