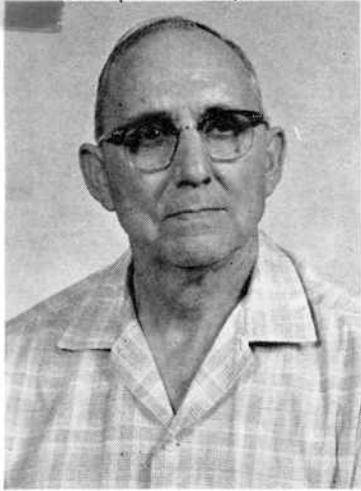


## Gambill, McClain And Quimby Added To Retired Rolls Today

Three retirements are marked at the mid-year point in Y-12. Floyd M. Gambill, Utilities; Clarence McClain, Machine Maintenance; and Willis F. Quimby, 9212 Shops are added to the growing list of Union Carbide Corporation veterans today.



Floyd M. Gambill

A native of Harriman, Tennessee, Floyd M. Gambill, Utilities, had worked in and around this section most of his life. He was first self employed on a Roane County farm, then went with the Cumberland Gap Woolen Mill. He came to Y-12 in the early days and worked from 1943 until 1945. He then was self employed in Harriman, as a carpenter and cafe operator.

Gambill returned to Y-12 December 7, 1950.

### Lives On Roane Farm

He is married to the former Stella Vann, and they live on their 10-12 acre farm near Harriman. (Route No. 1) The Gambills have two daughters, Mrs. Juell Dolsen and Mrs. Jessie Plemons. They proudly claim five grandchildren, and two great grandchildren.

The baby farm will occupy most of the retiree's time. He wants to clean up the place and truck farm.

Another East Tennessee native, Clarence McClain, retires. He was born in Knoxville . . . and lives at 2432 Sutherland Avenue. He first came to Y-12 September 13, 1954. He had previously worked with the Appalachian Marble Company, Knox Porcelain, Gray Knox Marble, Appalachian Mills, and Fulton Sylphon, all in Knoxville. From 1940 until 1952 he was with the Navy Yards in South Carolina.

### Two Navy Hitches

A veteran of the United States Navy McClain served two hitches . . . one during World War I, from 1917 until 1919 and then again from 1922 until 1926.

He is married to the former Ruby V. Mourfield. They have two daughters . . . Mrs. Madge Goddard, Columbia, South Carolina; and Mrs. Mildred Pendleton, Knoxville. They also have six grandchildren.

The retiring McClain's health has not been too good, and his retirement plans include "just sticking around home until he gets his blood pressure down."

New England born Willis F. Quimby, 9212 Shops, plans to remain in Oak Ridge after his retirement. First he plans an extensive summer-long tour of his native Salem, Massachusetts area to visit old friends and relatives. **Came To Y-12 In '51**

A varied career covered his employment record before coming to Y-12 on February 24, 1951. He worked as a machinist with the United Shoe Machine Corporation, Beverly, Massachusetts; the Selektion Radio Corporation, Lynn; the Brown and Sharpe Company, Providence, Rhode Island; the Sylvania Electric Products Company, Danvers and Boston; then South in Jacksonville, Florida with Capitol Records and the Upholstery Supply Company.

From 1917 until 1921 he served in the United States Navy, serving aboard the USS Burroughs, *Continued on Page 4*



Clarence McClain



Willis F. Quimby

## Friday, July 3, Is Official Y-12 Holiday

Saturday, July 4, is this country's birthday . . . that day she severed relations with England to launch that noble experiment of self government. Y-12ers will observe Friday, July 3, as a holiday.

No employee will be required to work Friday except those whose presence is required by security or the continuous operation of the plant.

## New Oxygen-Nitrogen Plant For Florida

### Union Carbide Plans 400-Ton Capacity

An air-separation plant capable of producing 400 tons a day of liquid oxygen and nitrogen will be built by Union Carbide Corporation in the Cape Kennedy — Winterhaven, Florida, area. The new plant, which is scheduled for completion by July, 1965, will be the largest privately owned air-separation plant in Florida. Initially, it will produce 200 tons a day of the liquefied gases. Production will be increased to full design capacity as anticipated market requirements develop.

Robert F. Flood, president of Union Carbide's Linde Division, which will operate the plant, stated that a primary reason for locating a liquefied gas plant in the vicinity of Cape Kennedy is to provide dependable and economical deliveries of liquid oxygen and nitrogen to meet the steadily increasing requirements of the government's rocket and missile testing programs.

"We're convinced that the liquefied gases required for the government's aerospace research and development programs can be supplied most economically by private industry," Flood stated. "Our experience has demonstrated that even the largest foreseeable liquid requirements can be handled efficiently, and with complete reliability, by the gas industry's methods of supply and its storage and distribution facilities."

### Test Run In April

In a dramatic test of its own liquid supply capability, Linde delivered 2,000 tons of liquid oxygen to rocket engine testing facilities at Edwards Air Base in California, in April, in three hours less than the specified 24-hour period. Known as "Operation Cold" (Capability Oxygen Liquid Delivery), the test was conducted jointly by Union Carbide, the National Aeronautics and Space Administration, the United States Air Force through *Continued on Page 4*



**THE TOP PHOTOGRAPH** shows the Algebra students from Tool Engineering. From left are Jack Blackerby (instructor), Dick Wyrick, Leo Waters (who made the presentation of certificates), Bill Hood, Paul Febbo, Ross Goosie, Harvey Coppock, John Hill and Frank Fuis, who coordinated the program. In the lower photograph are seen those receiving certificates in Dynamics. Seated are Dick Gwaltney, instructor, and Coordinator Frank Fuis. Standing, from left, are C. P. Tudo, Leo Waters, Bill Galyon, Elmo Robbins, Paul Boyer and Wayne Collette. Beaman Fox is absent from the Algebra class.

## Tool Engineering Gives Algebra-Dynamics 'Degrees'

The Tool Engineering Department of the Product Engineering Division recently passed out more 'sheepskins.'

Superintendent Leo Waters awarded certificates to senior draftsmen and designers who took one of the two industrial type courses offered during the "Spring quarter." The courses, coordinated by Frank Fuis Jr., were Intermediate Algebra and Engineering Mechanics - Dynamics.

Instructor for the college-level algebra course was Jack Blackerby. Receiving certificates were Harvey Coppock, Paul Feb-

bo, John Hill, Ross Goosie, Dick Wyrick, Bill Hood and Beaman Fox. The subject material entailed 40 hours of class work and approximately 50 hours additional preparation time. This is an important basic course necessary for all advanced technical subjects that may be studied by the individual, either separately or in groups.

Dynamics, a college sophomore class, entails 45 class hours and more than 100 hours of preparation time. It was taught by Dick Gwaltney, Process Design. Certificates were awarded to Bill Galyon, Wayne Collette, Elmo Robbins, Paul Boyer, and C. P. Tudor. This course, second in the Engineering Mechanics series, followed Statics which was completed earlier this year. Dynamics is a prerequisite to Strength of Materials which will be one of the courses set for the Fall. It is a subject concerned with forces and stresses acting on mechanical elements in motion, and therefore is one of the courses essential to solving engineering design problems.

Many others in Tool Engineering are participating in Value Engineering Analysis and True Position Tolerance seminars, and are also in various training courses covered by the Union Carbide Educational Assistance Program.

Congratulations, graduates!

### SELF DESTRUCTION

"If destruction be our lot we must ourselves be its author and finisher. As a nation of free men we must live through all time, or die by suicide." . . . A. Lincoln



**LEO HEMPHILL PRESENTS** Bob Wagner and George Ford patent applications on their joint development "Collapsible Air Lock." The Process Engineering pair were presented the usual one dollar accompanying patent applications.

# The Bulletin

Published Weekly For The  
Y-12 Employees Of  
UNION CARBIDE  
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG Editor



OFFICE

Post Office Box Y  
Oak Ridge, Tenn. 37831  
Bldg. 9704-2 Room 137  
Telephone 7100



Charlotte D. Garrison

## Garrison Daughter In UT Quickly

Quick registration was the word for Charlotte D. Garrison, since she entered the University of Tennessee immediately after the graduation from Oak Ridge High School in June.

Charlotte will study business administration at UT.

She is the daughter of Mr. and Mrs. Howard Garrison, 167 Hillside Road, Oak Ridge. Her father is in Y-12's General Weld Shop.



Two car pool members wanted from Alice-Bell-William Pike Section, Knoxville, to any portal, straight day. K. S. Murphy, plant phone 7-8589, home phone Knoxville 524-0950.

Will join car pool from Hunter Circle area, Oak Ridge, to North Portal, straight day. Jim Hnath, plant phone 7602.

Ride wanted or will join car pool from Lenoir City to Central Portal, straight day. Joyce Williamson, plant phone 7-8394, home phone Lenoir City 986-2806.

Will join car pool from Kingston, to Bear Creek Portal, straight day. J. O. Parks, home phone Kingston 376-9707.

Riders wanted from Whittle Springs Road, Washington Pike, Cecil Street, Lincoln Park section, Knoxville, to East or Central Portal, straight day. J. F. Baker, plant phone 7142, home phone Knoxville 523-4542.

Develop your ability to work Safely!



The next time you gripe about your job you might remember this little bit of philosophy . . . "Be thankful for problems, for if we didn't have them you wouldn't be here and if they were less difficult some one with less ability would have your job."

The problem recently has been the heat wave, however, and many Y-12ers have scurried off to nooks and corners. Let's look into

### MATERIALS AND SERVICES

The Stores Department sallies forth with news that E. A. Guettner and the missus are vacationing at Myrtle Beach.

Reproduction relays news of C. V. Terry and his family vacationing in Indiana.

Plant Records tells that Emma Puckett will leave Friday for Murray, Kentucky to join her sister, Mrs. Roland Tillman. The two will fly to San Francisco . . . then to Honolulu, Hawaii, for a perfect vacation. They will top it all off with a visit with friends and relatives in Los Angeles.

It's easy to meet expenses these days . . . just turn in any direction.

### SHIFT SUPERINTENDENTS AND UTILITIES

The H. N. Benninghoffs are camping at Cape Hatteras, North Carolina, for the week.

Other vacationers include W. J. Wiggins, K. E. Russell, S. B. McSpadden, P. L. Beeler and J. W. Fox.

C. A. Cox is enjoying his week's vacation with his grandchildren, at home . . . J. L. Hodge is vacationing in the northeast part of Virginia on the sea coast.

If medical science keeps on prolonging man's life, some of us may pay off the mortgages on our homes!

### MAINTENANCE



Scott Patrick

This handsome little gentleman is seven months old Scott Patrick, son of A. H. Patrick, Electrical. According to proud papa (and who wouldn't be?) he's getting into everything these days. But it sure would be hard to scold a cute little fellow like Scott.

Electrical welcomes in Patsy Scott and R. D. Peters, summer students, and C. A. Siler and B. E. Weeks, co-oppers.

The Pump Shop boys E. R. Robinson and J. D. Fancher are touring the Sunshine State, while O. K. Bush is headin' North for Indianapolis for a visit with relatives.

Get well wishes go to N. B. Kiplinger, confined to Oak Ridge Hospital . . . and W. D. Clary, who also has his name on the patient list at the OR Hospital.

Time was when a compact was a perfect gift for an 18-year-old girl. It still is, only now it has to have four wheels.

### INDUSTRIAL RELATIONS

The Fire and Guard Departments report Dave Turner, C. C. Butler, J. V. Ledbetter, C. C. Evans, W. W. Hammer, G. F. McPherson and R. L. Johnson all on recent vacations.

Not to be outdone, E. F. Greer, T. E. Ford, F. M. George, Sherley Honeycutt, E. E. Turner, W. B. Davis, D. I. Davis, M. L. Cooper, J. E. Morgan, G. A. Atchley and P. Surber, also took vacations.

Off sick are W. W. Hammer and A. J. Ballinger . . . the best to them.

A small girl we know was spending the night at her grandmother's. When asked if she were homesick . . . she replied . . . "No, I'm here-sick!"

### FABRICATION

Apologies for putting the old gang in the wrong division recently. (We sometimes make little boobos, don't we?)

Beta Four's Heavy Machine Shop relates that Bruce Dyer tried to show his son Jim it wouldn't hurt to have your tonsils out by having his out first. Bruce still can't eat too well, but Jim eats crackerjacks and corn bread or anything he wants!

Recently to St. Louis for a short vacation was H. E. Alvey. He brought Mrs. Alvey home after a stay with her father who had a recent operation . . . R. E. Dew had a short vacation and came back real browned up . . . J. R. Collins is serving Uncle Sam for two weeks in the reserves . . . Also C. E. Brown and W. D. Davis.

Other vacationers with no known destinations are C. E. Blanton, G. R. Goins, J. R. Harrell (moving to the farm), J. Ivey, S. C. Loope, T. B. Thorer,



So Proudly We Hail

## GI's Famous Kilroy Takes On Luster For World War II Stint

On this country's 188th birthday, we salute an unsung hero of American history . . . that quizzical, long-nosed man peering over a wall known to every dogface as Kilroy.

T. C. Tindell, M. G. Vance and C. Waldroup.

D. E. Gooch is spending a week at Myrtle Beach with his family.

H-2 and F-Area fans out the news that John Neeley is taking a camping and fishing trip . . . P. Peterson is taking a week in his favorite chair under his favorite big shade tree . . . R. B. Barker may spend some time boating if he can get his motor running. Good luck, 'Little Lube' . . . C. H. Turner has a lot of fishing planned if someone or something doesn't change his mind.

Vacation plans were unknown for H. Trivett, J. H. Worthington and W. O. Prewitt. H. R. Mullins has a full week planned . . . a bowling tournament, golfing, and perhaps a little horse trading . . . Frank Pitzer's son, Dr. Pitzer, is visiting from Memphis.

The 9212 Shops has O. J. Oaks and family off to Chattanooga by boat over a recent week-end . . . H. H. Crass took a week off from work to give his new baby blue car a trial run . . . C. L. Reed plans on taking on the races in Atlanta.

E. W. Weaver was going to stay home and get a week of rest . . . G. D. Reynolds is sporting a new red and white boat. He covers the waterfront of Watts Bar Lake.

In F Area it's heard that W. W. Chilcoat vacationed in parts unknown . . . Jack Steward tiled

Continued on Page 4

According to the Lockheed Southern Star, Kilroy is dead, but his legend lives on. Where did the Kilroy legend arise? The truth came out after the war when the American Transit Association ran a nationwide contest to reveal the truth of this mythical character.

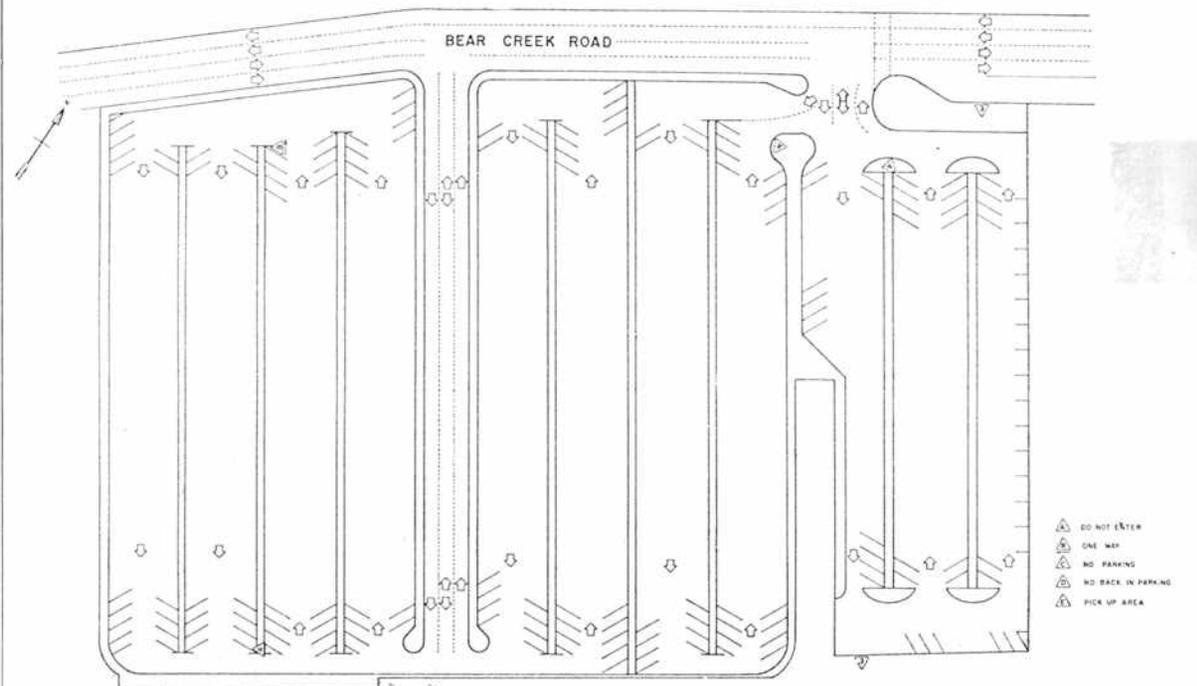
James J. Kilroy, who died recently in Boston at the age of 60, reported to the Bethlehem Steel Company, Quincy, Massachusetts, just two days before Pearl Harbor. He was a quality control inspector, and to signify that a piece of steel had passed inspection, he scribbled "Kilroy was here" on the equipment.

The melancholy truth that Kilroy is dead will sadden the hearts of millions of G.I.'s . . . nameless Americans away from home who trudged through the mud of foreign soil, and who enshrined a silly character along with other illustrious names of World War II, names like MacArthur, Eisenhower, Nimitz, Halsey, Bradley, and many others.

It is ironic that Kilroy is now in the dictionary, simply known as a "transient soldier." It doesn't say, however, that Kilroy gave many a lonely man that extra effort he needed when things looked darkest. From Murmansk to Normandy, from Guadacanal to Salerno . . . the inevitable always happened . . . "Kilroy Was Here" before any of us.

"And now that Kilroy is gone the war stories will lack their former luster because the veterans who swap them are all feeling a little older.

"And who among them would dare deny, when their mortal days on this earth end and they travel the long road to their final reward, that they won't see signs saying "Kilroy Was Here?"



WEST PORTAL

WEST PORTAL'S TRAFFIC FLOW is shown in the above diagram. All Y-12's parking lots are undergoing an intensive study to try to find what traffic flow is best for the most commuters. Central Portal's lot will be changed little . . . only the upgrading of signs and markers is planned.



## Patton, Pitt Lead Skeet In 2 Classes

Only One Round Remains In Contest

Seven rounds have now been fired in the Carbide Skeet League. A perfect score at this mark would be 175. Don Pitt leads Class AAA firers with a blistering 168, and Finis Patton leads Class II with 161. ORNL's H. D. Wills leads the Class A shooters with 134.

Standings follow:

CLASS AAA	
Don Pitt, Y-12	168
Fred Welfare, Y-12	164
John Swartout, ORNL	162
Ken Bahler, ORGDP	161
Bill Grundance, ORNL	160
Jack Case, Y-12	150
Bill Davy, ORGDP	149
Bob Powers, Y-12	115*

CLASS AA	
F. S. Patton, Y-12	161
M. C. Wiest, Y-12	156
C. G. Brewster, Y-12	142
Charlie Asmanes, Y-12	138
M. L. Bailey, Y-12	109*
Derek Walton, ORNL	81*
Jack Steward, Y-12	55*
Joe Levin, ORNL	37*

CLASS A	
H. D. Wills, ORNL	134
R. A. Allstun, Y-12	125
Newt Hamby, Y-12	121*
R. H. McNabb, Y-12	114*
Wally Davis, ORGDP	38*

\*Incomplete Scores.

The next round will be fired Sunday, July 12. A special and final make-up day for shooters who are behind will be held on August 9. All scores will be declared final as of the close of shooting on that day.

## Al Christman Crushes Two Tennis Foes

Tennis action in Y-12's league came fast and furious last week. Al Christman downed two opponents . . . Campbell King 6-3, 6-0, and Roy Huddleston 6-3, 6-0.

Ralph Levey defeated Ron Williams 6-2, 8-10, 6-2 . . . Al Fischer won over Williams also 6-2, 6-1.

League standings follow:

Player	W	L
Sam Campbell	5	0
John Jones	6	1
Bill Akers	4	1
Al Christman	5	2
Ralph Levey	4	2
Campbell King	3	3
John Pridgeon	2	2
Al Fischer	2	3
Ron Williams	2	5
Ed DelGrande	1	3
Bob Bass	1	4
Roy Huddleston	0	5

## Disaster Sirens Will Be Tested Sunday Morn

There will be a regularly scheduled test of the Y-12 Disaster Alarm System at 9 a.m., Sunday, July 5.

To be activated will be the sirens located in buildings 9201-3, 9996, 9204-4 and 9213, and will cover the "Evacuation" and "Take-Cover" signals with three minutes for each signal.

An announcement will be made over the plant public address system prior to the test. Employees at work Sunday will remain at their work stations, as this is a test only.

## Run-Away Games Are Featured In Week's Slo-Pitch Action

Peons And Mets Are Deadlocked In Tie For League's Topnotch Berth Still

With the first crack of the bat on last Monday in the Slo Pitch League, the Eagles draw blood from the Lucky Ten, 11 to 4. The Eagle's John Pridgeon zeroed in two homers and Horton rapped one out for the losers.

A run-away game marked Monday's action also as the Rebs

clobbered the Cherokees 17 to 1. Homers were belted by Fraola, Riggs and Roberts . . . and the Cherokees batted eight singles in as many hits.

The Peons belted the Reagents 19 to 0 in the final game Monday. Ernie Collins homered for the Peons . . . B. Davis and Collins tripled. Martin doubled for the Reagents and the remaining 10 hits were singles for the losers.

### Mets Down Beanballs

The ORGDP Mets opened Tuesday's play by downing the Beanballs 16 to 3. Sewell and Gadd homered for the losers . . . Gates and Henderson for the victorious Mets. Eight errors were chalked against the losing squad.

The Cherokees lost a good one Tuesday, too. They fell before the wrath of the Teds, 18 to 1. Crowder had a four-bagger for the winners, Anderson a three-base one.

The Big Shops eased by the Bat Boys in Tuesday's play 15 to 12. Campbell homered and tripled for the losers . . . while Gibson and Matheny had homers for the winning Shops.

### Rebs Win Seventh

The Dispatching Rebs returned to the boards Thursday, to down the Lucky Ten 11 to 3. Fraola homered for the winning Rebs . . . Riggs and Walton tripled. Horton eked a double out for the losing team.

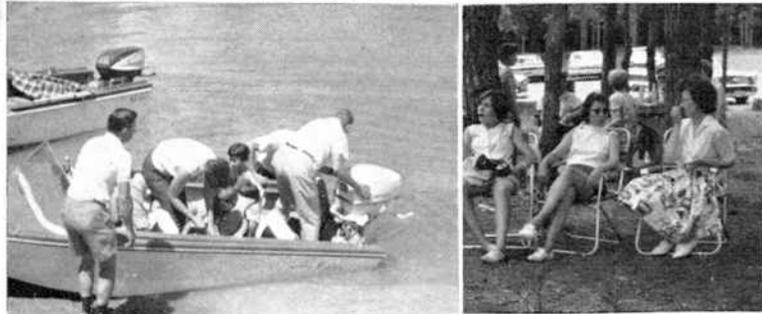
The Eagles defeated the Teds 7 to 3 in the second game. Allstun homered for the losing squad, H. Richards and John Pridgeon tripled for the high-flying Eagles.

Final action of the week saw the Gophers zip past the K-25 Instrument team 10 to 5. Valentine and Blevins were heroes with a homer each . . . and Simcox batted one for the losing team.

League standings follow:

Team	W	L
Peons	9	1
Mets, ORGDP	9	1
Atoms	5	1
Eagles	8	2
Dispatching Rebs	7	4
Teds	5	4
Gophers	5	4
Bat Boys	4	4
Beanballs	3	5
Big Shops	3	6
Reagents	2	7
K-25 Instruments, ORGDP	1	7
Lucky Ten	1	8
Cherokees	0	8

with four . . . Joe Pryor and J. A. Miller each had three.



RANDOM SCENES FROM STORES DEPARTMENT'S big family-style picnic are shown above. The party was held Saturday, June 20, at the beautiful Roane County Park, which lies between Kingston and Rockwood on Watts Bar Lake.

## Stores Department Enjoys Recent Roane Park Picnic

The entire Stores Department, including Shipping, Receiving and Material Control enjoyed an outing Saturday, June 20. They chose the shaded areas of Roane County Park for their get-together.

Approximately 175 customers (including tots) showed up for the ham, chicken, potato salad, baked beans, chips, pickles, etc. Besides the food there were horseshoe games, bad minton, boating, skiing, swimming, sunning, or just sitting and talking to pass the time away. Shirley Brown was chairman of the committee, which consisted of A. O. Phillips, C. W. Stegall and Blanche Miller. The committee also wished to thank Gene Humphries for his yeoman service also.

The blistering late June weather brought out the good crowd, and the lake breeze and tall, stately pines protected the group from the solar rays. It had been a long time since the group got together, but from the success of this affray, it won't be as long until the next time.

### NEW HOMES

Approximately 160 new homes were started in Oak Ridge in 1963, and 640 building permits were issued for construction estimated at \$5,500,000.

## Spring Fish Rodeo Draws To A Close

Late Spring and early Summer fishermen are called to arms. The Fishing Rodeo (quarterly) held for Y-12 anglers will end Monday, July 13 . . . and entries must be turned in to Recreation by July 15.

Of course, there will be another quarterly contest opening on July 18.

The year-round fishing competition is always a challenge to fishermen also. These entries require photographs of the catch. (The quarterly entries do not require verifying pictures.)

All forms are in the Recreation Office, Building 9704-2, telephone 7109.

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NUCLEAR DIVISION



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RETURN POSTAGE GUARANTEED

## Football Is Still King At This House

### Richards Family Still Watch Philly Eagles

There's still plenty of 'beef and brawn' around the Hugh G. Richards home, especially when the boys are home as they were recently. And the person who wants to pick a fight is surely short on brain-power, or had better be long on muscle power.

Larry and Bobby, stand-out football players, make the grid-iron conversation bright at the 137 East Wadsworth Circle home.

Bob is in his third year with the Philadelphia Eagles . . . still a star with the pro team. His 220-pounds make the line with the Eagles tough any time. He was a spark in the Louisiana State University team a few years ago. In his senior year there (1962) LSU was tagged the second best team in the nation . . . losing only an upset game to Rice.

Larry, who played guard at the University of Tennessee, graduated June 7, 1964, from the University of Tennessee. He has forsaken the field for business, and reported recently to the Pittsburgh Glass Company, Lake Charles, Louisiana. (His degree is in Transportation.)

After his visit home, Bob reported back to the Eagles for a rigorous summer workout.

Both Richards sons are now married . . . Larry is married and has a little two-year-old daughter, Vicky. He married the former Jolene Raines. Bobby has two sons, Tim and Terry, and is married to the former Jewel Howard.

The Richards family has three children, other than Bobby and Larry. There are three daughters, Gail, Linda and Kathy.

## Swap Those Badges Now For Blue-Rimmed Ones!

Badge exchange moved up slightly this quarter because of vacations, holidays, and what-have-you. The new blue bordered badges are in the self-service racks now and may be picked up anytime before 11 p.m. Wednesday, July 15. After that time, no yellow-bordered badge holders will be allowed past the portals.

So, if you are on vacation pick up your new badge when you get back. If you're not pick it up now. The last one in is a ninny!

## 'Beam-Plasma Studies' Thermonuclear Seminar

The Thermonuclear Division announces its seminar this week as "Beam-Plasma Studies." Leading the discussion will be W. L. Stirling.

The conference is slated for Thursday, July 2, at 9 a.m. in the TD Conference Room, Building 9201-2.



Larry Richards



Bobby Richards

## Gambill, McClain And Quimby

Continued from Page 1 the McClennahan, the Venture, and the Shur.

Married to the former Janice Morgan, there are two children at home, Lee and Clyde Quimby.

Retirees Quimby and Gambill have more than the necessary 10 years company service to qualify for benefits under the Union Carbide Pension Plan . . . and Gambill and McClain and enrolled in the voluntary Retirement Plan.

All three men take with them the very best wishes of fellow employees . . . for a long and happy retirement.

## Princeton's Wheeler At Physics Seminar

Oak Ridge National Laboratory's Physics Division announces its seminar this week, with J. A. Wheeler, Princeton University. He will discuss "Gravitational Contraction and Baryon Conservation."

The seminar is set for Thursday, July 2, at 3:15 p.m. in the Central Auditorium, ORNL's 4500 building.



Continued from Page 2 his basement and has red swollen knees to prove it.

Other vacationers include C. M. Cheek, L. S. Bailey, W. F. Grubb, G. H. Humphries, and H. F. Beam . . . H. W. Dickenson is fulfilling his military obligation for the next two weeks . . . Transfers over to the other shop are B. J. Jolley, J. W. Pryor, W. T. Calhoun, J. L. Clowers, G. H. Steinecipher and W. J. Foley.

D. G. Lincoln was one of the proud parents who saw children graduate from Oak Ridge High School. His daughter Beverly graduated and will major in Business Administration at Carson Newman College this fall.

### PRODUCT ENGINEERING

Tool Engineering comes through with vacationing news, first of Ted Burger and his wife who joined another couple for a camping trip to Myrtle Beach . . . Lon McNeil and his family enjoyed an outing on Norris Lake with their son and his family who are visiting from Memphis . . . Marty Broders and his family are vacationing in the Great Lakes area.

Taking a long week-end to laze around on the lake is Jack Conn . . . Peggy Hardin has just moved into her new home in Woodland and is vacationing a few days to enjoy things after the rush of moving . . . M. T. Burkett and family are camping out on Norris Lake . . . John Leone and family have taken off for points in the mid-west.

Lil Higgins returns from a week of vacation during which time she journeyed to Chattanooga for a meeting of the Grand Chapter of the Rainbow Girls. Lil was awarded an honor for outstanding work with the girls . . . Paul Williams has returned from two weeks' vacation (?) with Uncle Sam . . . H. L. Stamey is vacationing at home in Lenoir City working on an addition to his house. The family is planning some short trips to the lake and mountains.

Convalescing at home after minor surgery is Dale Keeney . . . Congratulations to Bob and Maggie Rose on the arrival of a new daughter, Anita Jean. Anita was born June 8, at Oak Ridge

## New Oxygen-Nitrogen Plant

Continued from Page 1 the Director of Aerospace Fuels at Olmstead Air Force Base, and the Rocketdyne Division of North American Aviation, Inc. Liquid oxygen was shipped from Union Carbide plants at Fontana and Pittsburg, California, via 46 cryogenic trailer trucks.

The 400-tons-per-day capacity of the new Florida plant will make possible production of adequate quantities of liquefied gases to serve anticipated requirements of industrial customers in the Southeast, such as the chemical, steel, cement, phosphate and aerospace industries. Product from the new cryogenic plant will be transported by over-the-road trailers and railroad tank cars.

### Used As Refrigerant

One of the fastest-growing markets for liquid nitrogen in Florida is in food transportation. Several major trucking firms operating in the Southeast have adopted Union Carbide's Polarstream in-transit refrigeration system for shipping frozen and perishable foods. The dependability of liquid nitrogen refrigeration is especially advantageous for food transportation in the Southeast, where high temperatures prevail throughout a major part of the growing and shipping season.

Florida's sizable citrus fruit industry employs nitrogen in the processing of oranges. The nitrogen aids in the retention of the flavor of the orange juice that is used to produce orange juice concentrate. In this application, nitrogen delivered in liquid form is vaporized and used in gaseous form to strip air from the juice. Elimination of air prevents oxidation of essential oils, which causes loss of flavor and imparts an undesirable taste to orange juice. In some cases, the product is then blanketed with nitrogen to protect it until consumed.

Hospital. She weighed seven pounds, four and one-half ounces.

We're out of gas . . . Let's see if the old government vehicle has any.

### DARING 'COPTER

A helicopter has just flown the Atlantic for the first time. It did so the easy way, however, inside a new cargo jet.



Congratulations to an even dozen Y-12ers who join the Union Carbide 20-year veterans list . . . also to more celebrating 10-year anniversaries.

### 20 YEARS

Thomas H. Allison, Guard Department, July 1.

Chester R. Fultz, Laboratory Development, July 1.

Arnold Tiller, Guard Department, July 3.

William C. Walker, ORNL Chemical Services, July 3.

Mark D. Varnadore Jr., Buildings, Grounds and Maintenance Shops, July 3.

John L. Perry, Dimensional Inspection, July 3.

Omer D. Cloyd, Guard Department, July 5.

Toy S. Moody, Process Maintenance, July 6.

Billie G. Ramsey, Uranium Chemistry, July 6.

Porter L. Holland, Research Services, July 6.

Polie E. Arnold, Production Control and Procurement, July 6.

Charles B. Burnette, Production Analysis, July 7.

### 10 YEARS

Roger W. Cloyd, Ceramics and Plastics Development, July 1.

Hubert H. Caudill, Chemical Services, July 1.

Charles T. Eldridge, 9215 Rolling, July 1.

Garet W. Denise, Process Maintenance, July 1.

Carl Parks, Physical Testing, July 4.

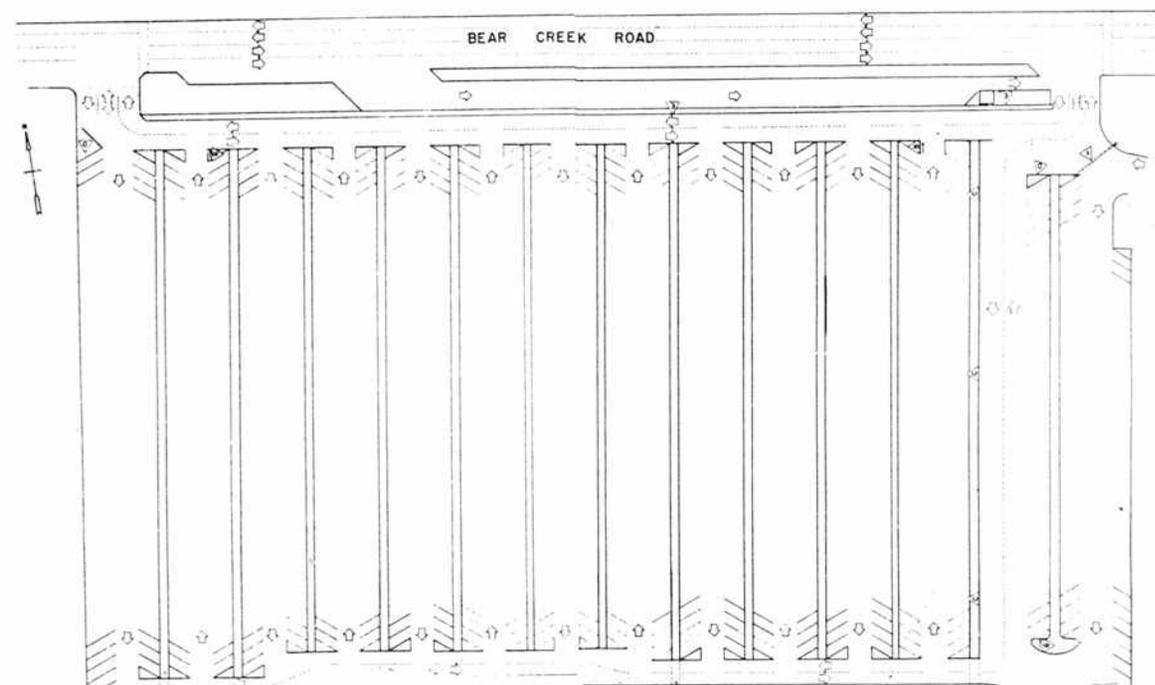
Robert E. Norton, 9212 Shops, July 4.

John S. Hurst, Mechanical Development, July 6.

James N. Walters, Area Five Maintenance, July 7.

## SAFETY SCOREBOARD

The Y-12 Plant Has Operated  
**44 Days Or**  
**1,344,000 Man-Hours**  
(Unofficial Estimate)  
Without A Disabling Injury  
**Through June 26**  
Phone 7755  
For Daily Report  
On Accident-Free Hours



NORTH PORTAL

NEW FLOW OF TRAFFIC is shown in this sketch of North Portal. New signs and lane markers are being put in the parking lot to assure clarity. There is a pick-up lane parallel with Bear Creek Road for loading and unloading passengers.