



— Y-12 BULLETIN

A Newspaper For Y-12 Employees of Union Carbide Corporation — Nuclear Division

VOL. 18 — NO. 36

OAK RIDGE, TENNESSEE

Wednesday, September 9, 1964

UT Evening School Opens Fall Quarter

Available Classes Are Given Out

The University of Tennessee Evening School has announced its schedule of classes for the upcoming Fall Quarter.

Registration begins in Oak Ridge Thursday, September 24, between the hours of 5 and 7:30 p.m. Registrants will also be received at the same hours on Friday, September 25, and Saturday, September 26, from 10 a.m. until 1:30 p.m.

Classes are set to begin Monday, September 28, and commencement is set for December 17.

Fees are due at registration. Reimbursement under the Carbide Educational Assistant Plan is made at the satisfactory completion of the courses. Approval must be made, however, in advance.

Courses Offered

Courses to be offered in the Oak Ridge extension include Accounting 211, Algebra Refresher, Art Education 191, Chemistry 111, Economics 211, Education 302, Engineering 111, English 111, 112 (Composition), 211 (English Literature), Engineering Graphics, History 221 (United States), Industrial Engineering 311, Library Service 351 (Books and Related Materials), Math 111 (General), 131 (Introduction to Analysis), 231 (Higher Mathematical Analysis), 301 (Basic Concepts of Elementary Math), and 455 (Advanced Calculus), Office Administration 232 (Shorthand), Philosophy 221 (Elementary Logic), Physics 261 (General), Political Science 221 (American Government and Politics), Psychology 211 (General), 355 (Child Psychology), Rapid Reading, Sociology 211 (General), 323a (Marriage and Family), 441 (Educational Sociology), Special Education 557 (Problems of Exceptional Child), Speech 231, 232 (Basic Public Speaking and Transportation 213 (Principles of Traffic).

Most of the above courses are approved for education assistance. As stated, courses must be approved in advance, however. Drop by the Training Department, Building 9704-2, or telephone extension 7751.

Former Editor's Wife Succumbs In Knoxville

School let out early this year for Mrs. Cornelia C. Dobbs, wife of the former editor of the Y-12 Bulletin, George W. Dobbs. Mrs. Dobbs, or "Connie," as everyone knew her, tried to register her pupils at Inskip School Monday, August 31. But ill health forced her home and she died Friday, September 4.

Funeral services were held Sunday, September 6, at the Rose Chapel, Knoxville. Burial followed in Lynnhurst Cemetery.

Heartfelt sympathy is extended by all Y-12ers to our former editor.



Thomas E. Douglass

T. E. Douglass Set To Deliver Paper

Will Speak To IEEE Hartford Conference

Thomas E. Douglass, Dimensional Inspection, will deliver a paper at the 15th Annual Machine Tool Builders Conference. Sponsored by the Institute of Electrical and Electronic Engineers, the conference is slated for November 16, 18 in Hartford, Connecticut.

Douglass will speak on "Numerically Controlled Inspection Machines. The paper will center on Y-12's experience with operation tape-controlled inspection machines.

A native of Mississippi, Douglass had been in Y-12 six years. He holds a BS in Mechanical Engineering and a BS in Business Administration from Mississippi State University.

He resides at 111 Principia Lane with his wife, the former Thelma Heiskell. They have one child.

He is a member of the American Society of Tool and Manufacturing Engineers and the National Society of Professional Engineers.

Two Speakers To Lead Thermonuclear Seminar

This week's Thermonuclear Division seminar will feature two speakers. R. A. Dory will discuss a "Review of Paper by M. N. Rosenbluth and R. F. Post." The paper is entitled "Electrostatic Maser — Instability of Non-Maxwellian Plasmas."

The seminar is scheduled for 9 a.m., Thursday, September 10, in the TD Conference Room, Building 9201-2.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
46 Days Or
1,436,000 Man-Hours
(Unofficial Estimate)
Without A Disabling
Injury
Through Sept. 7
Phone 7755
For Daily Report
On Accident-Free Hours

Saturday Open House At New Laboratory

Y-12ers' Families To See Facilities

Y-12ers and their families, along with Oak Ridge National Laboratory and Oak Ridge Gaseous Diffusion plant employees, are invited to visit the Biophysical Separations Laboratory Saturday, September 12.

The Biophysical Separations Laboratory, staffed by a team of scientific and engineering specialists from ORNL and ORGDP, is located in a section of the K-25 powerhouse, a facility approximately one and one-half miles west of the K-25 plant.

Visitors will have the opportunity to become generally familiar with the Zonal Centrifuge Development Program being conducted by ORGDP and ORNL for the National Institute of Health and the Atomic Energy Commission.

Tours will be conducted, exhibits explained, and information pertaining to the development of centrifuges capable of separating viruses and other sub-cellular particles will be distributed.

Guided Tours

The ultimate aim of the Zonal Centrifuge Development Program is to perfect methods for separating particles ranging in size from whole cells to the smaller protein molecules and virus particles. The development of improved virus-isolating techniques will be an important step toward understanding the role that virus may play in the cause of such diseases as leukemia, cancer and hepatitis.

An important tool in this research is the centrifuge, a machine capable of concentrating materials having different sizes and densities. When a centrifuge rotor — containing the mixture to be separated — rotates at high speed, centrifugal force moves larger or heavier particles more rapidly than smaller or lighter particles to the wall of the rotor.

High-speed, high-capacity centrifuges are being developed for the separation of very small particulate matter of interest to the biologist. The combined technologies of biologists, physical scientists and engineers are necessary for the development of machines capable of these difficult separations.

Much of the work is being performed in the Biophysical Separations Laboratory. The needed laboratory space is being provided by renovating one of the smaller buildings in the K-25 powerhouse area. The powerhouse, built in 1944 to supply electrical power to the plant, was placed on stand-by in 1962.

ON DEMOCRACY

"Man's capacity for justice makes democracy possible, but man's inclination to injustice makes democracy necessary." Reinhold Niebuhr.

DIVIDED AGRICULTURE

Tennessee's agricultural output is about equally divided between field crops and livestock.

Vice President C. E. Larson Signals United Fund Opening

Union Carbide Nuclear Division's 1964 United Fund Appeal will begin officially October 1, according to an announcement from C. E. Larson, UCC-ND vice president.

In making the official announcement Dr. Larson said, "One of the best ways employees can serve their communities is to support the worthwhile agencies included in the United Fund Appeal.



C. E. Larson

"Our Oak Ridge installations have traditionally participated in this campaign which has been conducted at approximately this time each year."

The general committee for the 1964 campaign, including the over-all Appeal chairman and his area chairmen, will be announced next week.

1963 Best Year Ever

Last year Carbide installations enjoyed their most productive year on behalf of the United Fund Appeal—contributing over \$106,000 to agencies in five counties (Anderson, Knox, Loudon, Morgan and Roane). The total amount represented an approximate 10 per cent increase over 1962's \$97,477.31.

Payroll deductions during 1963 again accounted for the vast majority of total contributions (93.4 per cent).

Dr. Larson emphasized that this desirable method of participation would again play an important role in the success of the 1964 Appeal.

Majority In PR Plan

"While the majority of employees are already giving in this convenient way, the ultimate goal is to have 100 per cent participation in the three Oak Ridge installations and the general staff.

"Supporting United Fund is one of the employee's most effective ways of making his dollars count more — a sure way of giving where help is needed most," Dr. Larson stated.

County Contributions

In 1963, Carbide employees gave approximately \$65,000 to UF agencies in Anderson County, \$25,000 to Knox County, \$12,000 to Roane County, \$3,000 to Loudon County and \$1,000 to Morgan County.

In summary, Dr. Larson said, "Past years have proved many times that Union Carbide employees, regardless of where they live, want to do their fair share in support of community responsibilities. I am supremely confident that 1964 will be no exception to this high goal."

Incidental to announcing the official 1964 Appeal kick-off, Dr. Larson hinted there would be some organizational and procedural changes designed to streamline this year's campaign. These, he said, would be announced together with the general campaign staff.

Physics Seminar Will Feature Graduate Fellow

R. B. Muir, an Oak Ridge Graduate Fellow, will lead this week's Physics Division Seminar at the Oak Ridge National Laboratory. His subject will be "The Interactions of 430 MeV/c K⁻-Mesons in Helium."

The seminar is set for Friday, September 11, at 3:15 p.m. in ORNL's 4500N East Auditorium.

Reactor's Fraas Is IEEE Speaker

The Oak Ridge Section of the Institute of Electrical and Electronic Engineers will meet tomorrow, Thursday, September 10. The initial meeting of the new season is set for the Elks Lodge, Arkansas Avenue, Oak Ridge. Dinner is scheduled for 7 p.m., with the meeting to start at 7:45.

Speaker will be A. P. Fraas, associate director of ORNL's Reactor Division. His subject will be "Nuclear Power in Space."

Fraas has had a diversified career in teaching and the aircraft engine industry. Prior to joining the Laboratory in 1950 on the Aircraft Nuclear Propulsion program,

he was an associate professor at the Aeronautical Institute of Technology of the Brazilian Air Ministry. The author of several papers and books, he is now an associate editor of the Journal of the Franklin Institute and is also associated with the Mechanical Engineering Department of the University of Tennessee.

IEEE section officers for 1964-65 are: Chairman, T. L. Hudson, ORNL; Vice Chairman, F. W. Manning, ORNL; Secretary-Treasurer, R. E. Cooper, ORGDP; assistant Secretary-Treasurer, R. P. George, Y-12; Directors, N. W. Hill, ORNL; R. S. Livingston, ORNL; and R. H. Dilworth, ORTEC.

All IEEE members and guests are cordially invited to tomorrow's meeting. Dinner reservations should be made through R. E. Cooper, extension 8258, or Oak Ridge 482-1346.



A. P. Fraas

The Bulletin

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



NUCLEAR DIVISION

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Local Rites Held For J. T. Hall

Funeral services were held Sunday, September 6, for John Thomas Hall. Mr. Hall died Friday, September 4, in Knoxville. The rites were held at the Ridge-dale Baptist Church, where the former Y-12er was a deacon. The Reverends Marshall Duncan and Chas. Reed officiated.



J. T. Hall

Mr. Hall, formerly of Laboratory Development, lived at Route 20, Knoxville. He is survived by his wife, Mrs. Shirley Dodson Hall; daughters, Patricia and Lisa; parents, Mr. and Mrs. Clay Hall, Maryville; brothers, Charles Hall, Maryville, Avery Hall, Norfolk, Virginia, Bobby and Don Hall, Chicago, R. L., Ronnie and Johnnie Hall, Maryville; sisters, Mrs. Dorothy Webb, Knoxville, Miss Loretta Hall, Maryville.

Interment was held at the Grandview Cemetery.

Co-workers and friends in the plant extend their deepest sympathy to Mr. Hall's family.



Early September anniversary-observers include eight on the 20-year veteran list and six on the 10-year list. Congratulations, Union Carbide Corporation vets!

20 YEARS

Virgil Lovett, Electrical Department, September 11.

Thomas L. Hart, Arc Melting, September 12.

Lyle G. Lankford, General Shop Inspection, September 12.

Eva P. Sigmon, ORNL Chemical Services, September 13.

Pauline F. Williams, Production Assay, September 13.

R. G. Marlar, ORNL Chemical Services, September 14.

Jesse H. Hammond, H 1 Foundry, September 14.

Lloyd Acres, Receiving Department, September 14.

10 YEARS

James B. Farmer, Research Services, September 9.

Elizabeth A. Kilby, Shift Superintendents, September 9.

Sherwood G. Greene, Production Analysis, September 11.

Charles J. Bowers, Uranium Chemistry, September 13.

Carl E. Conley, Process Maintenance, September 13.

Henry H. Newman, Machine Maintenance, September 13.



We are constantly amazed by those warranty cards that come in the purchase crate of any new appliance. Then there's the old story of the man who filled one out thusly: he got to the point where it said "what motivated you to buy this piece of equipment?"

Swift as a cobra, he answered

... "My wife."

News this week begins in

FABRICATION

The H-2 and F-Area Shops send word that **Harold Bolinger** took a trip recently to Houston, Texas, on his vacation, and then on to Colorado for a short visit ... **W. L. Arnold** spent his two weeks just relaxing around home ... **J. W. Duncan** and **J. R. Ryan** went somewhere, nobody seemed to know.

Visiting relatives in Huntsville and Birmingham and **J. F. Chapman** ... **J. L. Hicks** went to Virginia and North Carolina for a couple weeks ... **J. C. Brewer** was waiting for his wife to cure up her 'flu so they could go to Florida ... nice place to cure up, too ... **Don Neeley's** plans were subject to change without notice so we don't know just where he ventured off to. **Red Folden** and **Charlie Turner** teamed up on the fish, but the fish teamed right back and came out ahead.

Vacationing in Daytona under the sun was **Al Shipley** and family ... **E. F. Dalton** planned to visit relatives in Memphis and also take his little daughter Eugenia to Lookout Mountain ... **W. J. Shelley** went to Ole Kaintuck for a visit and a little fishing ... **B. R. Hansard** went to Chattanooga, to the Smokies, and fishing ... **Roger Carper** planned a week of relaxation and fishing, as did **John Neeley** ... John also took a short trip to Virginia.

Spending his vacation at the old homestead around Reading, Pennsy was **H. L. Smith** ... **J. W. Duncan** planned to visit relatives in Ohio ... **C. A. Moore** will most likely spend his week golfing ... **Paul Fritts** is taking an emergency vacation to be with his wife who is undergoing an operation ... Hope everything turns out well for them ... **Carl Dorr** is being congratulated around the plant for winning the Gatlinburg tournament recently.



Jimmy Lee Hall

Here is little Jimmy Lee Hall, son of **A. L. and Carleen Hall**. Hall, 9212 Shops, took a recent vacation to help with the laundry, and Jimmy is disclaiming any credit for the whole affair.

G. W. Callahan returned to work after a six months' vacation with Uncle Sam ... Vacationers in F Area were **W. L. Benzenhafer**, **F. K. Ellison**, **T. B. Reed**, **B. H. Samuel**, **H. W. Dickenson**, **C. W. Hawkins**, **N. White**, **J. B. Brabson**, **L. T. Brannock**, **M. H. Vineyard**, **E. J. Hill** and

W. F. Stoddard ... **B. E. Jolley** and **B. D. Cofer** dug worms while **E. V. Hawk** used them on a combined vacation ... **H. W. Hensley** went to Florida ... **D. A. Davis** went to Panama City ... **J. D. Rose** enjoyed a week of rain in his own back yard recently ... **R. E. Norton** has joined an antique car club with the purchase of a second car ... **E. J. Vickery** tried his hand at gin rummy while on vacation ... **W. L. Taylor** spent a couple of days in Atlanta.

The 9212 Shops say that **Richard Dew** is welcomed in after a transfer ... Best luck to **Dick**, his oldest son, who is spending some time in Baptist Hospital, Knoxville ... **L. J. Taylor** was Mississippi bound ... **C. W. Watson** cut grass after all the rain at home ... Just relaxing and taking it easy were **T. B. Heim**, **Willie Crowe**, **L. R. Chambers**, **J. Carter**, **H. R. Scanning** and **M. R. Nations**.

Casting in Beta Four tells that **A. E. Perry** and **Jo Walpool** transferred in recently from 9215. Welcome also to **H. E. Cornell** ... **Jim Nevils** returned from vacation with some tall tales about snakes instead of the usual about fish. This one didn't get away, either. Jim killed a rattler on a trail he was walking and planned to cut the rattles off and bring them back, but someone beat him to it while he was gone.

Mildred Morris and **Harold Alvey** are welcomed in E, M, C-Wing and 9206 Shops (we think.) Beta Two welcomes **Irene Carmack** who transferred in recently.

Margaret Cook is welcomed in, also, as she replaces **Lucky Parker**.

Machine Maintenance maintains that **T. A. Seddon** took his daughter to Johnson City for another year of good ole school ... **S. L. Newton** plans on spending part of his vacation fishing and visiting his son Noel Kenneth (a former Y-12er) and then a short trip to Beaufort, South Carolina.

There's a little ole man in Tape Control

Who bought a big red VW that would really roll.

The rumor is out ... that he drove it to New York

To see what was left at his son's house by the Stork.

It's told a fine big grandson and for food he's beggin,

Look out, **Walt Barwick**, he's almost as big as your wagon.

The Specimen Shop has **J. C. Oody** just staying around Oak Ridge.

Tool Grinding has **C. B. Russell** planning a short trip to Indianapolis, then back to Norris Lake in hopes of snagging some wall-eye ... **E. T. Varnadore** and family had a good time fishing on Norris Lake ... relaxing, too ... **J. L. Adkisson** just slipped away without revealing plans.

Psychiatrists say girls tend to marry men like their fathers. No wonder mothers all cry at weddings.

MAINTENANCE

Electrical elaborates that **J. L. Morgan** has gone south to Miami for a little fishing, swimming



GLENWOOD BAPTIST CHURCH'S fine softball team is shown after a successful season. In the front row, from left, are Evonne Shell, Carla Loveless, Cecilia Hamm, Patricia Jenkins, Jane Stegall and Janelle Jenkins. In the back row are Jeannette Jenkins, Coach Claude Jenkins, Darlene Cochran, Judy Lawler, Judy Marler, Elizabeth Rowland, Diane Stegall and Brenda Beckler.

Y-12 Coaches Lead Glenwood Baptist Girls To Victory

Many of the girls on the Glenwood Baptist Church Softball Team are daughters of Y-12ers, and right proud they are of their record this year. The team ended the season among church girls for this summer with nine wins and no defeats. They tallied as high as 31 runs in a single game while running a season total of 164 runs to 66 for the opposition.

Coaches Claude Jenkins, Process Maintenance, and another Y-12er, Joe Crunk took real

pride in their team's performance.

The team consists of Jeanette Jenkins, Darlene Cochran, Judy Lawler, Judy Marler, Elizabeth Rowland, Diane Stegall, Brenda Beckler, Evonne Shell, Carla Loveless, Cecilia Hamm, Patricia Jenkins, Jane Stegall and Janelle Jenkins.

The Jenkins, Cochran, Lawler, Marler, Rowland, Beckler and Hamm daughters are all in Y-12 families.

Well done, team!

and lots of looking (at orchid greenhouses, naturally.)

From the Pump Shop issues news that **C. F. Pirkle** sure had a ball on his vacation when his son and family were in on leave from North Dakota. In fact, he danced and high-stepped so much he broke a toe. (Now, that's what we call really livin' it up.)

C. F. Jenkins and **C. Holt** tried their luck fishing in Daytona Beach ... sure hope 'Cleo' didn't chase them back to the hills.

Taking a grand tour in Kentucky was **A. C. Harrington** ... while **N. B. Kiplinger** just relaxed at home ... The welcome mat is out for **M. A. Horton** who had a stay in the hospital recently. Get well wishes go to **E. R. Robinson**.

Frustration is when you have ulcers ... and are still a failure!

METAL PREPARATION

9215 Rolling has **J. O. Parker** and his wife going to Nashville, Owensboro, Kentucky and Kokomo, Indiana to visit relatives.

Chemical Services says **Ken Martin** has just returned from a vacation at home, where he entertained relatives from Detroit ... Welcome back to **Sylvia Hatmaker** who is recovered from her accident.

W. E. Tompkins has been ill in the LaFollette Hospital. The best to him. He vacationed recently at home in Caryville, riding the range, and hoping to trade his pony for a goat.

First Sergeant **J. W. Graves** is at good old Fort Stewart, Georgia, for a reserve vacation.

Charlie Mills sees Fair Days ahead (at the Knoxville Fair) ... then maybe to Nashville for one, two or three days ... and maybe to Kentucky ... to sell printing and advertising.

Charlie Bridges is vacationing getting the old workshop cleaned

up ... and looking forward to his son's return from Greece this fall.

Often a man will keep his nose to a grindstone so his wife can turn hers up at the neighbors.

MATERIALS & SERVICES

The Mail Department wishes **Joyce Gillihan** a speedy recovery. She recently had her bothersome appendix out in Oak Ridge Hospital.

It's all right to drink like a fish ... if you drink what he drinks!

SHIFT SUPERINTENDENTS & UTILITIES

A. H. Norman is vacationing and one of the highlights of his trip will be the races at Arlington, South Carolina.

D. W. Harrigan is vacationing in parts unknown ... **L. L. Kilgore** went to New Mexico ... **J. L. Finchum** vacationed in Ohio.

Liz Campbell is welcomed aboard.

Also it's good to have **Jackie Ward** back at work.

Vacationers who didn't tell include **J. S. Wilson**, **H. L. Cox**, **C. Pitts** and **J. R. McNabb**.

You'uns come.

Pretzel Invented By Baker's Error

The pretzel came into being by accident. An Italian monk had some dough left over in the 7th Century bakeshop. He twisted the dough into a shape resembling praying hands ... and named the creation "Pretiolas."

The popular pretzel then moved to Switzerland where it got its present name ... and its fame spread rapidly all over the eating world.

6-12204



CARRYING THE MAROON AND GREY this year is the big squad above. They open their 1964 season Friday evening at Blankenship Field, Oak Ridge, against East High's Mountaineers, from

over in Knoxville. Of the 10 games the Wildcats play this year, six of them are scheduled at home . . . which should bring out all the old homefolks to cheer them on to many victories.



Y-12'S CONTRIBUTION to the Wildcat squad is seen above lined up before a recent practice session. Kneeling on the front row from left are Chip Sisk (mother — Mrs. Martie Honaker, ORNL Division), Mark Chilcoat (W. W.—H-2 And F Area Shops), C. C. Niemeier Jr. (C. C.—Buildings, Grounds and Maintenance Shops), Oran Buck (O. C., Utilities Administration), Mike Carver (W. R., Research Services), and B. B. Bell (B. B., Engineering Division). Standing in the back row are Ricky Gallman (S. L., Secondary Quality Control), Thomas Wilson (T. J., Ceramics and Plastics), Jimmy Williams (J. E., Assembly Operations), Mike Bradley (H. L., Research Services), Chales Helms (W. S., General Machine Shop), Richard Trotman (C. A., Electrical Engineering), and Jim Hodnett (S. A., Instrument Engineering). Parents' names are shown in parentheses.

Classic League Set For Another Season

Frank Tiller Starts Bowling With Fury

Another bowling league got off the ground last week as the men in the Classic League drew lots to fight it out amongst themselves. The Wasps and Splinters came out with sweeping wins, downing the Rippers and All Stars respectively.

Three pointers were taken by the Tigers over the Wolves, the Swingsters over the Cubs, the Eightballs over the Rebels and the Markers over the Screwballs. Draws resulted in the Has Beens-Smelters, Bumpers-Playboys tilts.

Frank Tiller, Tigers, roared out of his corner to take all individual honors, rolling single games of 242 scratch, 263 handicap . . . and series of 639 scratch, 707 handicap! The Markers took singles with 936 scratch, 1058 handicap. The Swingsters took series scratch honors, posting a 2507, while the Eightballs captured handicap series highs with 2943.

League standings follow:

Team	W	L
Wasps	4	0
Splinters	4	0
Tigers	3	1
Swingsters	3	1
Eightballs	3	1
Markers	3	1
Has Beens	2	2
Smelters	2	2
Bumpers	2	2
Playboys	2	2
Screwballs	1	3
Rebels	1	3
Cubs	1	3
Wolves	1	3
All Stars	0	4
Rippers	0	4

Wildcats Open Season Friday Playing East

The Oak Ridge Wildcats open their 1964 schedule of games this coming Friday, September 11. They take on the East High Mountaineers (Oak Ridge defeated East last year 28 to 0.)

The remaining part of the season looks as follows:

Date	Opponent
September 18*	Bradley Co.
September 25*	Waynesville
October 2*	Baylor
October 9	Johnson City
October 16*	South
October 23	East Ridge
October 30*	Sevierville
November 6	Kingsport
November 13	Knox Central

*Home Games.

Pre-season predictions indicate the line is big and tough . . . ready for all 10 opponents. Several sons of Y-12ers are seen ready to strengthen the squad. Go get 'em, 'Cats!

Bill Akers Takes Tennis Top Ticket

Only three matches were reported last week in the Tennis League. Bill Akers climbed atop the heap with a 6-0, 7-5 defeat over Bob Bass.

Other matches reported featured Ed Del Grande over Dick Huber 6-3, 3-6, 8-6. Sam Campbell defeated Ralph Levey for his first loss 6-2, 3-6, 6-2.

League standings follow:

Player	W	L
Bill Akers	3	0
Ralph Levey	4	1
Sam Campbell	4	1
Bob Bass	3	1
D. W. Hackett	3	1
Campbell King	3	2
Ed Del Grande	2	1
John Pridgeon	0	1
Al Fischer	0	2
John Jones	0	2
Dick Huber	0	3
Don Legacy	0	3
Roy Huddleston	0	4

Golfers, Watch That Lightning!

Golfers are peculiarly susceptible to lightning because courses are usually vast expanses of open rolling countryside where the sportsman is often the highest object in the area.

Every year about 600 persons are killed and 1500 injured outdoors by lightning in the United States.

When a storm becomes evident, golfers should call off the game. Don't wait for rain to commence, for lightning usually strikes in the lull before rain. Head for the club house.

Avoid high ground and isolated exposed trees. Keep away from metal fences, shelters, and other metal objects.

If you can't make the club house, duck into any kind of depression in the ground, dense woods, or if desperate a grove of trees.

The more fault you find the more you have.

Last Call Goes Out (Again) For Bowlers!

Last call for bowlers. Recreation is looking for one male to bowl in the Y-12 Mixed League . . . 8 p.m. each Wednesday. The eight-team league is ready to begin September 16.

The Bush League, which rolls each Monday at 8 p.m. needs two complete teams . . . Men only. They will open their season, Monday, September 21.

Table Tennis Is Set For Carbiders Mondays

Informal table tennis play is scheduled to get underway Monday, September 14, at 7:30 p.m. at the Wildcat's Den. Interested Y-12ers just appear on Monday nights for the lively three-plant competition.

IT WON'T SPEND

A \$100,000 bill is the largest piece of currency minted in the United States. On its face is a portrait of Woodrow Wilson. It

Cannon Balls Take Initial E League Win

The Cannon Balls drew the first big blood in the E League last week, crushing the Foursquares for three and one-half point wins. A three-pointer went to the Pintwisters as they out-bowled the Alley Bees. The Ten Pins and Hot Shots split two points each.

T. Hummel, Foursquares, came up with the first high singles . . . rolling 186 scratch, 223 handicap. John Plaza, also of the Foursquares, took series highs, taking a 481 scratch, 565 handicap tally.

The Cannon Balls almost swept the board, taking high singles of 601 . . . and series of 1743 scratch, 2199 handicap. The Ten Pins blocked the rout, however, by

is used only in transactions between Federal Reserve System and the Treasury Department.

taking handicap singles with 774.

Team	W	L
Cannon Balls	3½	½
Pintwisters	3	1
Ten Pins	2	2
Hot Shots	2	2
Alley Bees	1	3
Foursquares	½	3½

ENTRY FORM

1964 All-Carbide Golf Tournament

WALLACE HILLS GOLF COURSE

September 19 & 20, 1964

Please enter the foursome, as listed below, in the All-Carbide Golf Tournament, subject to the rules governing this event. Preference: Saturday, September 19

Sunday, September 20

NAMES OF FOURSOME:

1. _____ 3. _____
2. _____ 4. _____

Signature of Member entering this Foursome

Plant Phone No.

(Complete and send to: Recreation Dept., Bldg. 9704-2).

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Headrick Daughter Returns From Summer Study Abroad

'What a summer,' is a frequently heard comment throughout the plant. But when W. T. Headrick's daughter exclaims 'what a summer' she means it!

Miss Charlotte Headrick returns home this week from an American Field Service Exchange Program, which consumed most of her summer. She spent three months studying in Denmark and living with a Danish family.

A senior at Young High School, Charlotte was chosen for her scholastic achievements, personality and through recommendations by teachers. Her ability to speak Danish and French helped also. She lived with the Viggo Anderson family in Flaid, Denmark. The Andersons also have a 16-year-old daughter Brigette, who helped Charlotte feel at home.

The proud Headrick father is in Y-12's Research Services.

Schools Are Different

Danish schools are completely different from American ones. They attend only four hours of classroom work each day, but it is necessary that students attend school for a longer period of time.

The people of Denmark are warm, friendly people . . . taking to a strange student in a strange land with gracious hospitality. Charlotte had no difficulty at all adapting to the culture there. "The country is fabulously beautiful . . . not as pretty as East Tennessee," she admitted with prejudice, "but it is still very pretty."

New Modes Of Travel

Charlotte traveled by plane to New York, sailed from N. Y. to Rotterdam by ocean liner, and by train from Rotterdam to Flaid. All were new experiences for her.

Requested to make several speeches to student groups, Charlotte described the American school system to her counterparts in the Jutland peninsula.

Roughly, Denmark is the size of East Tennessee . . . or 16,619 square miles. Miss Headrick found getting around in so small a country no problem at all.

The Headrick home is on Cheyenne Drive, Knoxville. There is one other daughter, Nancy, in the family.

Many School Activities

While at Young, Charlotte had been vice president of the National Honor Society's local chapter, a member of the Y-Teens, Rainbow Girls, and Girls' Auxiliary. She attends the Meridian Baptist Church.

The returning student was also full of praise for her adopted family for the summer . . . the Andersons. "I shall never forget them, their hospitality and kindness . . . and their daughter . . . my good friend Brigette Anderson," she stated.

TOWN DWELLERS

More than 80 per cent of the people of England live in cities, towns and villages.



Charlotte Headrick



Will join car pool from 962 West Outer Drive, Oak Ridge, to North Portal, straight day. Pete Rekemeyer, plant phone 7913, home phone Oak Ridge 483-6854.

Ride wanted from 2424 Chila-cothe Avenue, Knoxville, to Biology Portal, straight day. C. W. Shook, plant phone 7-8894, home phone Knoxville 524-4343.

Riders wanted from Washington Pike, Millertown section, Inskip, via Clinton Highway to East, North or Central Portal, straight day. W. L. McCormick, plant phone 7951, home phone Knoxville 522-5207.

Ride wanted from Old Ball Camp Pike, vicinity of West Haven, to Central or West Portal, straight day. Ann Fitzgerald, plant phone 7-8321, home phone Knoxville 522-0256.

Ride wanted from Viking Road, Oak Ridge, to East Portal, straight day. Sarah Coram, plant phone 7169, home phone Oak Ridge 483-7534.

Riders wanted from Millertown Pike, Washington Pike or East Knoxville, to North or East Portal, straight day. J. E. Miller, plant phone 7705, home phone Knoxville 522-3205.

Ride wanted from vicinity of Highland Avenue, Oak Ridge, to West Portal, G Shift. W. L. Boutwell, plant phone 7101, home phone Oak Ridge 483-1982.

Y-12ers Active In Boat Courses

Each year all local squadrons of the United States Power Squadron must offer free to the public a course in piloting in order to keep the squadron charter. The Oak Ridge Power Squadron usually offers this course twice a year, once in the Spring and once in the Fall.

The Fall class in boat piloting will hold the class organizational meeting on Thursday, September 17, at the Oak Ridge Power Squadron dry dock, located on Emory Road, across from the Daniel Arthur Rehabilitation School. Actual class work will begin on September 24. Classes will meet each Thursday night thereafter for 12 weeks, including review and examinations.

All necessary work books and charts are supplied by the squadron free of charge. The subjects covered during the course will be seamanship, safety afloat, equipment and governmental regulations, rules of the road, aids to navigation, compass, charts, small boat handling and river piloting.

Y-12ers who will instruct some of the classes are Gus Angele and Richard Hulme of the Engineering Division and Jim Wakefield of the Metals Fabrication Division.

Any interested party is welcomed to take advantage of this opportunity. Squadron officials feel that this is the finest course in boating offered to the public.

Open House Planned By Playhouse Set

The Oak Ridge Playhouse invites its fans and friends to Open House Sunday, September 13. There will be displays from seasons past, the board will be on hand to greet new friends, and try-outs and readings will be held for the entire season of plays. The event starts at 7:30 p.m. in the Playhouse in Jackson Square.

Highlights of the 1964-65 season will be the "Andersonville Trial," "The Miracle Worker," and Shakespeare's saucy "Taming of the Shrew," along with others.



CAPTAIN BILL E. JOHNSON and his dad, Edd Johnson (H-2 Shops), are seen before Bill's private plane. Capt. Johnson came by Knoxville recently and picked up a party to attend the Daytona Beach "500" race.

Edd Johnson Goes To Daytona The Easy Way . . . In Son's Plane

Edd Johnson, H-2 Machine Shop, recently chose a quick way to attend the Daytona 500 Races . . . he flew in his son's plane! Captain Bill E. Johnson flew in from Randolph Field, picked up his dad, along with C. O. Methena, also of Y-12 and Lloyd Wolfe Jr. for the Florida trip.

Bill who is making the Air Force his career, is an instructor with the Pilot Training Squadron, at Randolph Field. He is a Mechanical Engineering graduate of the University of Tennessee.

An old time Y-12er, Johnson first came here in 1943. He left to work with Douglas Engineering, and also in business for himself. He built automotive racing engines and was a midget, stock

Newcomers are always welcome at the Playhouse, for on-stage and off-stage duties. No previous experience is required.

So, if you have had hidden stage aspirations, here's a good chance to give them vent. There's probably a Barrymore hidden somewhere in some of us . . . and the Oak Ridge Playhouse is the place to bring it from under the bushel.

and drag race car driver. In 1961, he came back to Y-12. Interesting way to get to Florida, isn't it? In your son's own private plane . . . quick, too!

Welding Society Will Tour Sanford-Day

The Northeast Tennessee Section of the American Welding Society will hold its annual meeting next Tuesday, September 15, at 6 p.m. Members will meet at the Sanford-Day Company, 612 Dale Avenue, Knoxville, where a plant tour will be conducted by representatives of that company.

The social and dinner will be held at Regas Restaurant, 318 North Gay Street, Knoxville, beginning at 7:15 p.m. After dinner R. C. Preitt, Factory Manager, Sanford-Day, will discuss "Progress in Welding at Sanford-Day." The meeting will adjourn at approximately 9:30 p.m. Additional information may be obtained from Norman Ross, extension 4161.

It may be a man's world, but women are partly to blame too.



PART OF AREA FIVE MAINTENANCE FOLKS gathered to 'honorably discharge' James N. Walters on the last of August. Walters was Y-12's only retiree for the month. He had put in 30 years in the United States Army, as well as more than 10 in Y-12.