



Miss Janice Donahue

Miss Tennessee Race Watched By Y-12ers

Janice Donahue Vies In Beauty Pageant

Another Y-12 family has its eyes toward Jackson, Tennessee this week where the Miss Tennessee contest is in progress. The William H. Donahue family, Route 1, Powell, has a daughter competing in the beauty pageant. (Donahue is in Y-12's General Foundry).

Earlier this month Janice Donahue was crowned Miss Monroe County, which made her eligible for the current competition.

The petite blonde is a student at Hiwassee College, and won over six other candidates in the Miss Monroe County contest. She did a dramatic reading in the talent portion of the competition. For picking up the title of Miss Monroe County, she was awarded luggage, a play suit, a swim suit, a hair-styling, as well as the trophy and her expense-paid trip to Jackson.

The newly crowned Miss Monroe County plans to further her education after graduation at Hiwassee at the University of Tennessee. She hopes to become a court stenographer or secretary.

Among the pretty blonde's hobbies are listed swimming and basketball.

The Donahue daughter became the first Miss Monroe County to be crowned. The Monroe Citizen said: "Janice, you only have 45 girls to beat in order to become Miss Tennessee and another 51 girls to become Miss America. We wish you the best of luck in the forthcoming competition and in your reign during the coming year."

Two New Plants Set In South By UCC

Louisiana, Alabama Sites Are Chosen

Union Carbide Corporation will build two new facilities in the South, according to recent announcements from Birny Mason Jr., president.

A chemicals, olefins and plastics producing plant will be erected on a 1,300 acre site at Taft, Louisiana, on the Mississippi River. The plant will involve an initial investment in excess of 50 million dollars, and when completed, will be one of the largest petrochemical plants in the United States.

"We feel that the availability of merchant ethylene and ethylene oxide from Union Carbide in the lower Mississippi Valley, along with the abundance of other raw materials and the excellent transportation possibilities, will substantially enhance the growth prospects of the area," Mason stated. "In addition, Union Carbide will be in an excellent logistical position to supply our customers in the area between the Gulf and East Coasts, as well as existing and new customers abroad."

Near New Orleans

Ground-breaking for the plant, which is about 20 miles above New Orleans, has not yet been set.

Another plant will be built at Mobile, Alabama, which will substantially expand the production of Linde Molecular Sieves.

According to Robert F. Flood, president of Union Carbide's Linde Division, the new facility is necessary to meet the increased demand for a variety of Molecular Sieve products that have found widespread use in drying and purifying liquids and gases and in other fields. The plant will be completely equipped to produce Molecular Sieves on a volume basis. Union Carbide will continue their production also at Tonowanda, New York, and will continue all research, development and production engineering work there.

Completed Next Year

The new Mobile plant will be located on a 100-acre site and will be scheduled for completion in the second quarter of 1965. Initially, the plant will employ approximately 50 people with additional personnel to be added in the future.

Molecular Sieves are being used widely in the agricultural, chemical, gas, petroleum, paint, plastic, and rubber industries . . . not only for drying and purifying gases and liquids, but also for separation and recovery applications. For example, the unique ability of these materials to separate one molecule of gas or liquid from another by size made possible Union Carbide's IsoSiv process used in producing chemical intermediates for the new biodegradable household detergents. Most recently, growing interest is being shown in the use of Molecular Sieves in catalytic cracking catalysts.



CARL FRAZIER, B SHIFT SUPERINTENDENT, sits at the console at the Plant Shift Superintendents Office in Building 9706-2. He talks by radio to someone out in the plant to determine the cause of a signal he has received on his telalarm system.

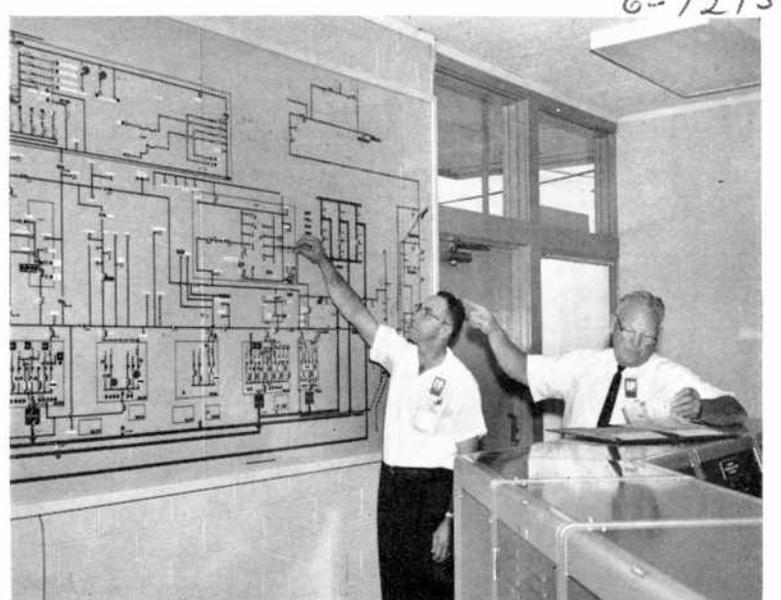
Plant Shift Superintendents 'Keep Store' During 'Off-Hours' In Varying Functions

When the afternoon whistle blows and the day shift leaves Y-12, who "minds the store" until the whistle blows calling most of us back to work again? Y-12 around the clock has, since its inception, been a common, accepted fact . . . since the plant never closes. Keeping up with the myriad of a 24-hour operations is the function of the Plant Shift Superintendents and Utilities Division.

Radiating from the PSS headquarters in 9706-2, the division keeps in constant touch with the entire plant. They know when an electrical circuit is down anywhere, what the wind direction and velocity is, and many other things which concern the plant's operation. The function of this division is the administration of the plant in the absence of the plant superintendent and the superintendent of the division, D. H. Rader, Jr.

Emergency Procedures

Emergency procedures are all administered by PSS personnel. Any emergency is instantly reported . . . and gears are set in motion to take whatever steps



H. N. BENNINGHOFF AND CARL FRAZIER check switching arrangements for planned power outage.

need be taken, whether it be first aid . . . or plant evacuation in case of dire emergencies.

The PSS office takes care of many telephone calls . . . on shift and off shift. (The 7172 extension is where employees report when illness or other causes may require their missing work.)

Emergency planning is under the direction of the PSS Office, coordinated by H. N. Benninghoff.

Controls Address System
The Plant Public Address System which gives instant oral contact with the entire plant is the responsibility of the division. Any alteration or design change must be approved through PSS.

The emergency shelters located in the plant are maintained and kept up-to-date by PSS personnel. The emergency power sys-

tem is also maintained in this division. As a matter of fact, anything with "emergency" connected to it is either directly or indirectly handled by the Shift Superintendents Division.

Administrative control of the radio networks in the plant are under the PSS section. Changes in the assembly stations and components maintained there are authorized by the PSS Office.

The Utilities section of the PSS division does more than "keep the lights burning and the water on." This section of the division will be covered in a future article.

The giant console in 9706-2 may look like controls for space flights . . . but much useful information and data are recorded here. The emergency disaster alarm system

Continued on Page 4

SAFETY SCOREBOARD
The Y-12 Plant Has
Operated
65 Days Or
1,998,000 Man-Hours
(Unofficial Estimate)
Without A Disabling
Injury
Through July 19
Phone 7755
For Daily Report
On Accident-Free Hours

The Bulletin

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



NUCLEAR DIVISION

JAMES A. YOUNG Editor

Member



Appalachian
Industrial
Editors'
Association

OFFICE

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

Hahn Son Takes Legal Job With Railroad

Graduates From Law
School With Honors



Richard H. Hahn

Richard H. Hahn, son of Mr. and Mrs. Harry J. Hahn, 505 Michigan Avenue, Oak Ridge, has recently joined the law department of the Norfolk and Western Railway Company, Roanoke, Virginia. He was born in Covington, Virginia, and attended public schools there and in Oak Ridge, where he graduated in the class of 1954. He was graduated from Harvard University, Cambridge, Massachusetts, with honors in 1958.

Young Hahn was on active service in the United States Navy from June, 1958 until September, 1961. In '61 he entered Harvard Law School and was awarded a Bachelor of Laws degree in June of this year.

In addition to his career as a naval officer, Hahn was employed during the summer of 1963 in the Office of the Secretary of Defense, Washington, and during 1961 was a Rapporteur at the Council on Foreign Relations in New York.

He resides at 858 Wildwood Road, Roanoke, Virginia.

The young lawyer's father is in Y-12's Buildings, Grounds and Maintenance Shops.

LASL's Sven Wahlborn Leads Physics Seminar

Oak Ridge National Laboratory announces its Physics Division seminar this week as "Parity Impurities in Nuclear States." Leading the seminar will be Sven Wahlborn, Los Alamos Scientific Laboratory.

It is set for Friday, July 24, in the East Auditorium of ORNL's 4500N Building at 3:15 p.m.



Someone came by our desk this week and remarked, "Boy, I sure don't agree with some of the things Theira Flood and Frank Broome said about the World's Fair."

We didn't make too much comment, because we didn't agree with some of the things they said either, but then we probably would disagree in other fields also.

There's news aplenty this week, that's agreed . . . first, in

INDUSTRIAL RELATIONS

Fire and Guardsmen went far and near on vacations recently . . . **W. R. Proffitt, M. T. Barker, W. W. Hall, J. George, J. R. Barber, F. L. Hammer and H. L. Miller** all in directions unknown.

Vacationing at home in Clinton is **J. H. Shoemaker** . . . **H. W. Krouse** took off for Washington, D. C. . . . and to Baltimore to see what-ever-team - they - have-over-there play ball . . . **E. E. Gregory** chose beautiful Asheville, North Carolina as a likely vacation spot.

Off ill is **A. L. Rosenblam** . . . the best to him.

Worry is like a rocking chair . . . it will give you something to do, but will get you nowhere.

MATERIALS & SERVICES

Plant Records sends get well wishes to **Herb Reynolds**.

Cashier and Travel heads a bulletin "**Loyal Vandergriff** elected Mayor of Lake City," more follows on this item.

Stores has **Maola Conner** vacationing at Myrtle Beach, Florida (are you folks right sure that's in Florida?) . . . **Kenneth Brown** and family vacationed at the World's Fair.

C. F. Phillips is on vacation and he will go where Mrs. Phillips wants to go since this is HER vacation, too.

B. E. Henry and family vacationed in Biloxi, Mississippi.

Welcome back to **D. C. Wolfenbarger** who had a recent toe battle with a lawn mower (guess which one won!).



Robert A. Jameson Jr.

Presenting Robert Allen Jameson Jr., the more than seven-pound son of Mr. and Mrs. R. A. Jameson, 93 California Avenue, Oak Ridge. The proud parents welcomed little Bobby in on June 25. The no less proud grandparents are the **D. C. Jameson's**. (He works in Property Sales.)

Stores' **J. C. Terry** will be on vacation this week. He plans to stay around Oak Ridge and will have his daughter and family visiting from San Pablo, California.

The sad truth of it all is that

we might have been another Caruso, if we just had had a voice!

SHIFT SUPERINTENDENTS AND UTILITIES

The **Carl Fraziers** chose the beaches of South Carolina for a late July vacation . . . Others took off in various directions, including **D. G. Watson, A. H. Shubert, R. B. Amos, J. L. Chapman, J. C. Sims, C. K. Monday, D. Stevens** and **S. Kite**.

F. C. Lowry vacationing, who knows where.

When someone slaps you on the back, they usually expect you to cough up something.

DEVELOPMENT

Metallurgical Development gives news of **Frank Lambert**, still recuperating at Scott County Hospital, Oneida, Tennessee. Why not drop him a card?

Best wishes to **Al Townsend**, recuperating from recent surgery at the University Hospital, Knoxville.

MAINTENANCE



Barbara Lee Blanton

Area Five Maintenance comes in with a grand-pop mighty proud of little **Barbara Lee Blanton**, born June 6 of this year. **C. W. Reirdan** says this is his second grandchild in six months. The other grand-pop in Y-12 is **E. G. Blanton**, Uranium Chemistry. Both say she is "little but loud."

FABRICATION

The 9212 Shops tell that **R. Y. Drumwright** spent a long weekend in Virginia, saw some deer, quail and rabbits, but got rained out on one picnic. (Well, you can't win them all.)

W. R. Burrell and **W. L. Taylor** vacationed no - one - knew - where, but **J. D. Rose** and **L. L. Bridges** spent part of theirs in Florida . . . **P. D. Letsinger** spent his in Florida also . . . **K. H. O'Kelley** had a honey-do vacation . . . Others who went but didn't stay were **A. M. Maples, C. H. Helton, D. Griffies, M. R. Nations** and **F. Bates**.

All the boys in the shop presented **W. F. Quimby** with a Black and Decker skill saw when he retired . . . and everyone wished him good luck in retirement.

H-2 and F Area has **E. D. Folden's** brother visiting him during vacation . . . **Joe Ryan** is going to stay a few days in a cabin he owns over near Asheville . . . **Earl Seeber** is cruising over the Blue Ridge Parkway to Roanoke, Virginia . . . **Paul Fritts** said the boss told him she needed a little work done around the house



C Shifters Enjoy Picnic In June At Concord Park

C Shifters found quick and easy relief from the broiling June drought on the 18th, by going to Concord Park for a hamburger fry. There were approximately 80 shifters there with their families.

Gathering at 1 p.m., the picnickers allowed ample time for

swimming and sitting in the shade before the serious business of eating started.

Door prizes were taken by **Charles Phillips**, retiree **Al Edwards**, **Herb Oliver**, **Herb Lay**, **J. R. Barber**, **Charlie Mills**, and **Charles Perry**, **R. B. Blankenship** and his small son assisted in the drawing.

(Paul showed her who was boss and went ahead with the work) . . . **J. L. Scott** sort of snook off for two weeks, but didn't say what he had planned . . . Others not telling were **W. S. Minge, M. Dupee, W. T. Luffman, C. M. Cheek, E. J. Roberts, G. R. Owen, R. P. Russell, G. J. Walls, C. A. Boyd** and **W. J. Hatcher**.

H. C. Webb visited with his brother who is in Special Forces in Fort Bragg, North Carolina. . . **N. B. Bloomer** spent most of his vacation at his cabin on Norris Lake . . . **E. F. Johnson** has a son in for a week's visiting . . . They are flying in his son's plane to Daytona Beach, Florida . . . **L. D. Copeland** might be found most anywhere . . . **Joe O'Neil** said he just gonna to un lax . . . **H. R. Mullins** and **Joe Gibbs** didn't say what they had planned.

R. H. Smith is taking to the road for a two-week vacation with friends and relatives . . . **W. L. Gaston** was trying to convince himself he should go to Daytona Beach . . . **Don Neely** said that a good easy chair under the shade trees in his back yard looked great to him.

Beta Four had droves off for vacations, but nobody was snoopy enough to find out. They were **D. W. Burchfield, C. F. Butler, G. F. Campbell, G. C. Casey, Homer Day, E. F. Gibson, J. R. Johns, F. D. Lively, I. L. Miller, J. C. Montgomery, P. Pierson** and **F. A. Watson** . . . **B. Rankin** was out sick all week and **M. G. Vance, W. C. Hembree** and **J. L. Devaney** seen their dooty and they done it by serving on the jury.

Bruce Dyer called in to say he was the father of a nine pound, eight ounce daughter . . . now he

has two girls and one boy. More details later.

Betty Ward and her family cruised around North Carolina in their new car.



Kessler Patrick Young

M. K. Young and his wife Patricia are the proud parents of a 10-pound baby boy born June 26, at Ft. Sanders Hospital, Knoxville. The new arrival has been named **Kessler Patrick Young**. Congratulations!

Henry Hammack came back from a vacation from all over North Carolina which included Cape Hatteras . . . **A. E. Burger** returned also, but he'd been to South Carolina.

Mildred Morris happily reports she's on vacation this week . . . but didn't say where! . . . good reporter that she is!

That's about it.

Levey, Christman Take 2 In Tennis

Sam Campbell Has Only Spotless Slate

Ralph Levey took two matches in the Tennis League recently... defeating John Pridgeon 6-4, 6-4 and Ed DelGrande 6-3 and 7-5.

Other tilts saw Bill Akers over Ron Williams 6-2 and 6-1. Campbell King defeated Bob Bass 6-4 and 8-6.

Al Christman also took two sets recently, downing John Pridgeon 6-1, 6-2 and DelGrande 6-0, 6-2.

Current standings follow:

Player	W	L
Sam Campbell	8	0
Bill Akers	7	1
J. A. Jones	6	2
Al Christman	7	3
Ralph Levey	7	3
Campbell King	6	4
John Pridgeon	4	3
Al Fischer	3	6
Ron Williams	3	8
Bob Bass	2	8
Ed DelGrande	1	7
Roy Huddleston	0	9

Drama Try-Outs Set For Monday

The cast of "Sunday in New York" will be chosen at 7:30 p.m. Monday, July 27, at the Playhouse in Jackson Square. The comedy requires four men between 25 and 35 and two pretty girls between 22 and 25. Tryouts are open to the public and newcomers are cordially invited to attend. No previous theatrical experience is necessary.

"Sunday" will go into rehearsal after Labor Day and open in mid-October. The amusing tale centers around a pretty, virtuous girl, her handsome brother, a charming and eager New Yorker, and her ex-boy friend who is very rich and athletic. The other two cast members find themselves playing 10 wildly divergent roles as the play moves from a street, a Fifth Avenue bus to a restaurant, a movie theatre, an apartment and a Ferrari automobile.

Slo Pitch Tournament To Begin August 3

The Slo-Pitch double elimination tournament will begin Monday, August 3. Schedules are in the hands of all managers. Monday's opening games features the Beanballs vs the Bat Boys, the Cherokees vs the Eagles and the Lucky Ten vs the Gophers.

Scheduling is already planned through August 11. Further brackets will be made after each night of play, and managers will be notified of later games.

Lighthouse Operates On Nuclear Fuel

The nation's first nuclear-powered lighthouse was put into operation recently. The United States Coast Guard lighthouse, located in Chesapeake Bay, south of Baltimore, has a 60-watt generator, and is designed to operate unattended for 10 years.

Winners Told In 8 Species Fishing Rodeo

Recreation has announced the winners in the March 7-July 13 Fishing Rodeo. Winners are listed below, without size or weight of the entry given. Many of the same fish are entered in the Annual Rodeo.

LARGEMOUTH BASS

1. B. O. Miller, Uranium Chemistry.
2. Edward Stair, Beta Two Forming.

SMALLMOUTH BASS

1. J. P. Grubb, Uranium Chemistry.
2. Clay Smith, Physical Testing.

STRIPE — BASS

1. W. F. Jack Grigsby, Electrical.
2. E. P. Braden, Arc Melting.

BREAM - BLUEGILL

1. H. J. Hahn, Buildings, Grounds and Maintenance Shops.
2. Loyd E. Wyatt, Statistical Services.

CRAPPIE

1. M. J. Case, Dimensional Inspection.
2. H. N. Benninghoff, Shift Superintendents.

PIKE - SAUGER

1. Jack T. Hale, H-2 and F Area Shops.
2. M. H. Huskey, Chemical Services.

PIKE - WALLEYE

1. Arnold Craft, Buildings, Grounds and Maintenance Shops.
2. Ned Asbury, Dimensional Inspection.

TROUT

1. G. E. Valentine, Material Specimen Shop.
2. Fred G. Leon, Research Services.

Awards have been ordered for the above... and each will be notified by telephone when they arrive.

Another seasonal rodeo is now open, and entries are available in Recreation.

A Shift Group Sets Picnic

A Shift people have selected Cove Lake State Park as the site of their big old-fashioned barbecue for next Wednesday, July 29. Eating will commence at 11 a.m. with fancy barbecue and all the trimmings.

Each family is requested to bring an additional covered dish or dessert. The tickets are only 50 centavos per family. There will be cold drinks, ice cream and coffee free also. Horseshoes, badminton, and other games will keep the children amused and swimming is always a joy at Cove Lake.

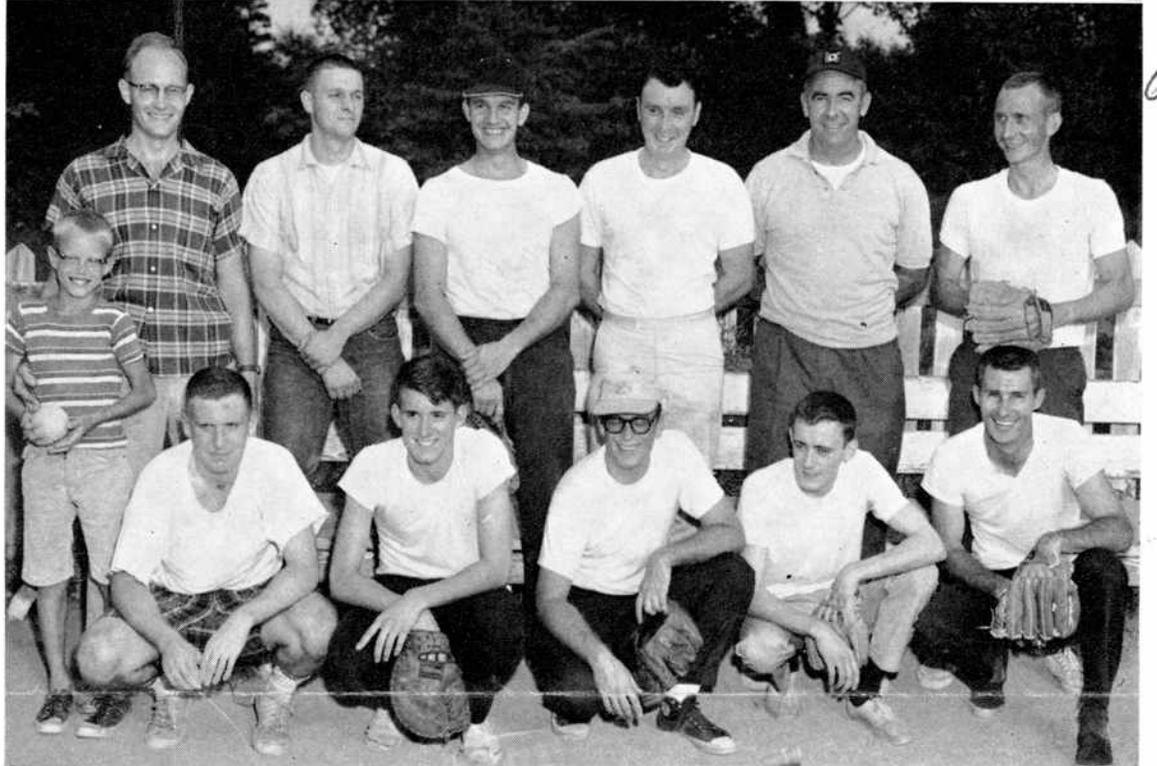
Y-12ers off for the day are welcomed at the A Shift event.

B Shift Planning Big Concord Picnic Tomorrow

B Shift Recreation is planning a big picnic, swimming, boating outing tomorrow, Thursday, July 23 at Concord Park.

The gathering time is 10 a.m. There will be free ice cream, drinks and prizes for the kids... and awards for adults in games, also.

So get that hamper packed... bring the old boat and family on over to Concord tomorrow. Get in on some of the summer fun.



IN THE TOP PHOTOGRAPH are the Gophers... a going team in the Slo Pitch League. In the front row, from left, are R. H. Hull, B. F. Rutherford, Mascot Sammy West, Gene O'Hara and Bob Culton. In the back row are Bill Leake, Frank Burchfield, S. R. West, Loyd Wyatt, George Blevins and Sterling Ryder. In the lower picture are the Bat Boys, featuring on the front row Mickey Plummer, Kenny Campbell, Hugh Beeson, James Abel and Jack Brown. In the rear are Mike Brown, bat boy, Leo Brown, K. Z. Morgan, Romeo Greene, B. C. Sims, Al Stanton and Ed Bryant.

Slo Pitch League In Last Throes Of Play As ORGDP Mets Are First And Peons Second

Wind-up action in the Slo Pitch League got started last Monday as the Teds downed the Lucky Ten, 15 to 9. Rose homered twice for the winning team, Rapier took one for the losers.

The Rebs defeated the Atoms in game number two Monday, 16 to 6. J. Froula, whose name has been consistently misspelled all season, got the only homer of the game.

Monday's final game was a forfeit, the Regents taking the Cherokees, 7 to 0.

The Atoms took Tuesday's first game from the K-25 Instruments 10 to 9. Marcum and Daws homered for the Atoms, Simcox for the losers.

Another forfeit appeared on the board Tuesday as the Beanballs took the Cherokees 7 to 0.

The Mighty Eagles swooped down in Tuesday's game, to edge by the Bat Boys 21 to 17. John Pridgeon had two homers for the winners... Greene one for the losers... and Ken Campbell hit two for the losers... one of which got knocked half way across the county.

A make-up game got wedged in Wednesday as the Lucky Ten tried their luck on the Regents, winning 29 to 6. J. Balton killed two homers for the winners, Hor-

ton and Hodgeson had one each. Thursday's first game went by way of forfeit... the Big Shop team taking the Cherokees 7 to 0.

The Gophers galloped over the Atoms 22 to 15 in the second

Recreation Calls Mixed Bowlers

Since Autumn will be here before anyone can say "Jack Frost," it's time to start thinking about the bowling season, says Recreation.

Three leagues are already organized for early Fall action... the C League, the Bush League and the Classic League already have officers named and teams assigned.

To be formed yet are the E League and the Mixed League... the latter consisting of two women and two men bowlers.

The E League consists of day-time bowlers who work shifts... and roll anytime during the daylight of Thursdays. The Mixed League's rolling time is 8 p.m. Wednesday nights.

Any bowler interested in either league should contact the Recreation Department, extension 7109.

game Thursday. Daws homered for the losers... Hull and Burchfield for the winners.

The last game of the week featured the Bean Balls' 23 to 11 victory over the Lucky Ten. Sheffler had four big homers for the winning team... Horton and Farris took one each for the losers.

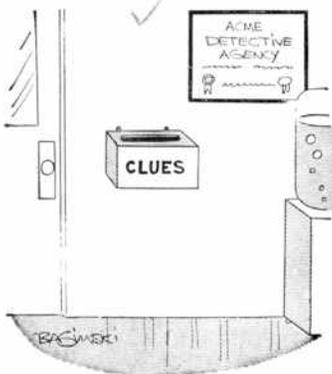
The Mets did not play, having already assured themselves of the league championship. Neither did the Peons who have a sure hold on second place.

League standings follow:

Team	W	L
Mets	12	1
Peons	11	2
Eagles	9	3
Rebs	9	4
Atoms	7	4
Teds	7	5
Bat Boys	6	6
Gophers	6	6
Big Shops	6	7
Bean Balls	5	7
Regents	5	7
Lucky Ten	2	11
K-25 Instruments, ORGDP	1	11
Cherokees	0	12

Are Compact Cars Safer?

Are compact cars safe? Recent studies by the West Virginia State Police showed that compact cars make up only 14 per cent of the vehicles registered in the state... yet 47.4 per cent of the persons killed this year were either riding or driving compact cars.



BULK RATE
U. S. Postage
PAID
Oak Ridge, Tenn.
Permit No. 71

**UNION CARBIDE CORPORATION
NUCLEAR DIVISION**



Post Office Box Y
Oak Ridge, Tennessee—37831

RETURN POSTAGE GUARANTEED



More Y-12ers cross important milestones with Union Carbide Corporation within the next few days. Congratulations.

20 YEARS

John R. Carriger, Electrical Department, July 24.

Esker L. Bailey, Receiving Department, July 25.

James W. Jackson, Uranium Chemistry, July 27.

Webster Hughes, Process Maintenance, July 27.

John A. Bradshaw, Graphite Shop, July 27.

Gilbert E. Berney, Buildings, Grounds and Maintenance Shops, July 28.

Walter H. Hoose, Process Analysis, July 28.

Fesington C. Lowry, Shift Superintendents, July 28.

Agnes F. Johnson, Production Assay, July 28.

Grady E. Simpson, Beta Four Heavy Machine Shop, July 28.

15 YEARS

William E. Belvin Jr., Production Control and Procurement, July 27.

10 YEARS

Glenn R. Easter, General Metal Fabrication Shop, July 22.

Thomas E. Walsh Sr., Research Services, July 26.

Chester Yeary, General Machine Shop, July 26.

William J. Yaggi, Metallurgical Development, July 26.

James C. Anderson Jr., Data Processing, July 26.

Robert E. Thornton, Production Analysis, July 26.

6-12151



R. M. MORETZ JR., Process Maintenance, at right accepts a wrist watch as the first prize winner in the quarterly slogan contest just ended. Safety head Clarence Johnson makes the presentation. Another winner, Barbara Roberts, Medical, won life jackets in the contest.



ANOTHER winner, C. E. Amos, Dimensional Inspection, took seat belts in the slogan contest just ended by the Safety Department. Another contest is now in full swing . . . with winter hazards as its theme.



Ride wanted from Burlington section, Knoxville, to West Portal, straight day. C. J. Moody, plant phone 7-8574, home phone Knoxville 524-8324.

Ride wanted from South Knoxville, Chapman Highway vicinity, to any portal, J Shift. O. L. Kelley, plant phone 7-8209, home phone Knoxville 577-5731.

Ride wanted or will join car pool from Wilson Road, Knoxville, to North Portal, straight day. Margaret Walls, plant phone 7991.

Riders wanted from Cumberland Estates, Karns area, to Central Portal, straight day. Jim George, plant phone 7-8896, home phone Knoxville 588-6474.

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

Crocodile Tears Have Interesting Origin

The expression "crocodile tears" has some actual reason for existence, but not from the grief of the poor croc. Crocodiles shed tears because large amounts of food pressing against mouth glands releases tears. Thus, "crocodile tears" became known as insincere tears.



MILLER-GOLDBERG

Miss Barbara Willadeen Goldberg and Mr. Gary Lee Miller were married in a candlelight service, Sunday, June 26 at the Boswell Chapel Baptist Church. The Reverend Perry E. Mayton officiated at the rites.

The bride is the daughter of Mr. and Mrs. Raymond Goldberg, Oakdale, and the groom is the son of Mr. and Mrs. Otis Miller, Mosey Grove. The groom's father is in Y-12's Stores Department.

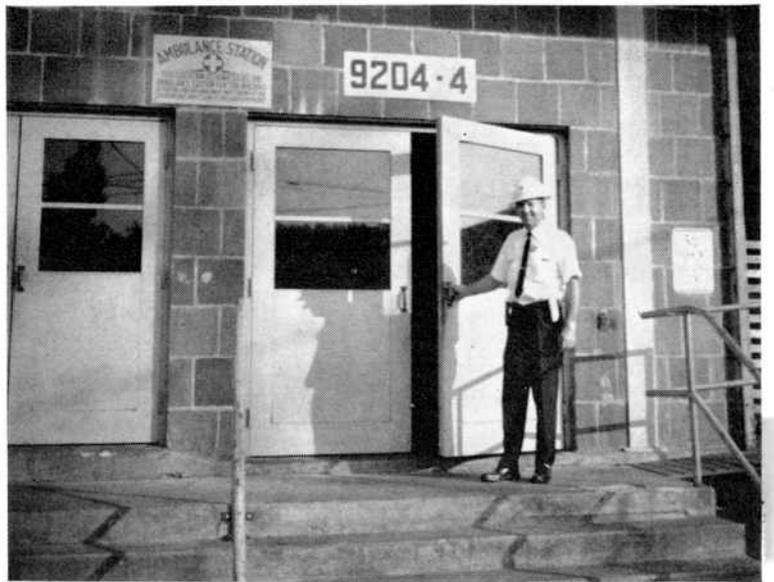
The bride, given in marriage by her brother Mr. Larry Goldberg, wore a street-length gown of white lace over taffeta, fashioned with long sleeves and a scooped neckline. Her veil of illusion was held by a band of organza leaves and see pearls. She carried a white Bible topped with a white orchid.

A program of traditional wedding music was presented by Mr. Mitchel Wilson. Miss Betty Coffman sang "I Love You Truly."

A reception honored the couple at the home of the bride's parents following the ceremony.

Mrs. Miller is a graduate of Oakdale High School, and is employed by the Roane Hosiery Company. The groom, a graduate of Central High School, Wartburg, is employed by the Baptist Sunday School Board, Nashville, where he is attending Draughtons School of Drafting.

Keeping up with the questions of the day doesn't leave to much time for the answers.



JIM McLEAN, ASSISTANT SHIFT SUPERINTENDENT on B Shift enters Beta Four on a routine check.



F AREA AND FOUNDRY SQUAD DRILL is seen recently as the Plant Protection people direct emergency training to squads in the plant. This type training is coordinated by the Plant Shift Superintendents Division. There are 38 such squads in the plant.

Plant Shift Superintendents

Continued from Page 1
is centralized here . . . alarm systems from radiation detective stations all over the plant are activated here in case of radiation . . . constant radio contact is kept with security, plant protection, maintenance, dispatching and other parts of the entire plant. There are several radio contact stations in operations . . . The complex of panel controls keeps the PSS Office in touch with most everything that is going on. (For instance the ph factor of the creek outside the plant is recorded in the PSS Office.)

Superintendents

The Shift Superintendents are: A Shift, D. P. Anderson; B Shift: C. W. Frazier; C Shift, F. D. Bender; and D Shift, D. W. Harrigan. Assistants are F. C. Lowry, J. A. McLain, R. E. Schabot and G. M. Kirtland. H. N. Benninghoff, R. W. Brothers and S. F. Creigh are day shift and relief superintendents.

As stated, Y-12 never sleeps. There's a lot going on at any hour of night or early morning. And PSS folks and Utilities know what is going on at all times: They "mind the store" while we sleep!

ing problem will be offered with suitable prizes for the winner. Reserve these nights now for the interesting AICeE seminars in August.

Sometimes you can straighten out a youngster best by bending him over your knee.



Mr. and Mrs. Gary Lee Miller

AICeE Plans Summer Seminar

The Knoxville-Oak Ridge Section of the American Institute of Chemical Engineers is planning a summer seminar. It will be held in the Oak Terrace Starlight Room at 7:30 p.m. on Tuesday and Wednesday, August 4 and 5.

The subject is "Flow Visualization" and "The Fluid Dynamics of Drag" and will be explained through the medium of films. Approximately one and one-half to two hours of film will be shown each night. The films are by Asher Shapiro, Massachusetts Institute of Technology.

Dr. Shapiro's book "Shape and Flow—The Fluid Dynamics of Drag" will be available at the meetings. A chemical engineer-