



Thomas R. Harvey

Tom Harvey Awarded MS Degree At U.T.

Monday, August 25, marked a big day for Tom Harvey, Statistical Services . . . he was graduated from The University of Tennessee, with his big master's degree in statistics.

Harvey reported in to Y-12 June 16, 1952 after his graduation from Middle Tennessee State College, Murfreesboro, with his degree in mathematics. He had attended Cumberland University, Lebanon his first two years of college. A veteran of the U.S. Army (1944-1946), Tom worked for Du Pont at Old Hickory and the Lebanon Woolen Mills between his college stints.

All of his graduate work at U.T. was on the Carbide Education Assistance Plan.

Tom lives at 615 West Vanderbilt Drive with his wife (the former Virginia Westmoreland) and their two children . . . Brenda and Robert.

He enjoys spending as much time as possible with his family . . . and now with graduation behind him hopes to spend more time with them, especially his son whom he enjoys biking with.

Harvey, naturally, was appreciative of the advantages received from the educational assistance program.

ASTME Meeting Tomorrow At Elks'

The Knoxville-Oak Ridge Chapter of the American Society of Tool and Manufacturing Engineers will meet tomorrow, September 4, in the Elk's Club, Oak Ridge. Dinner will be at 7 p.m. and the technical session will begin at 8. A social hour is set for 6:30 p.m.

Dr. John F. Kahles, vice president of Metcut Research Associates, Inc., Cincinnati, Ohio, will be the speaker. He will speak on "Machining Data in Support of a \$40 Billion Business."

Kahles holds a BS in chemical engineering from Armour Institute of Technology, and was awarded his PhD in metallurgical engineering from the University of Cincinnati in 1946. A registered professional engineer (Ohio), he has published over 50 technical papers, and is a junior member of the American Ceramic Society, the American Documentation Institute, the American Foundrymen's Society, the American Institute of Mining and Metallurgical Engineers, the American Society for Metals, the American Society for Testing and Materials, the American Welding Society, the Air Force Association, Engineering Society of Cincinnati, Society for Experimental Stress Analysis, Society for Nondestructive Testing, the Special Libraries Association, as well as the ASTME.

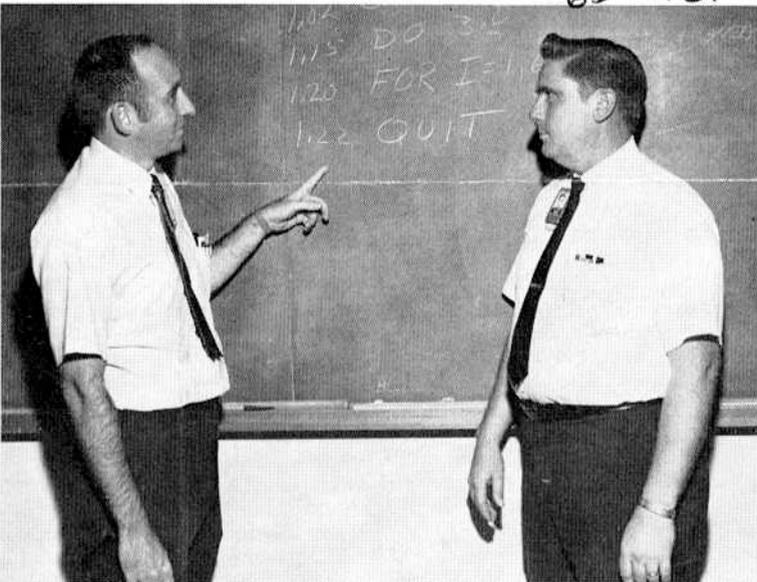
Members and interested parties are invited to Thursday's meeting. The ASTME strives to "advance scientific knowledge in the field of tool and manufacturing engineering and to apply its resources to research, writing, publishing and disseminating information."

INSECURITY

You get the feeling you're not wanted when your own twin brother forgets your birthday!



AN INTRODUCTION to the Small Computer class sees an average of 30 Y-12ers attending. W. J. Smith, Maintenance, has been teaching the digital course to instruct employees in the proper use of some 100 small computers located throughout the entire plant. A total of 10 departments in Y-12 have sent students to the course.



G. R. BOSER, Laboratory Development, poses a question to W. J. Smith, Maintenance, who has been teaching a small computer class throughout the plant. Smith estimates that there are at least a hundred small computers in the plant in use today.



J. A. McKenzie

McKenzie Speaks On 'Clean' Lab

J. A. McKenzie, Environmental Control Engineering, will be the principal speaker at the American Society of Heating, Refrigerating and Air Conditioning Engineers' 50th Anniversary meeting, Wednesday, September 10, at the Quality Motel Downtown, Knoxville.

McKenzie will discuss the unique problems involved in the design of the Virus Control Laboratory, a facility used by X-10 biologists in Y-12 to perform long term experiments concerned with the effects of irradiation and specific control of stray viruses and microflora that might interfere with the experiments.

McKenzie, a graduate of the University of Tennessee, joined Y-12's engineering staff in 1953. He resides at 1735 Woodhaven Dr., Knoxville.

EXPERTISE

All this talk about tax reform . . . a man we know insists he's an expert. Said the best years of his life were spent in a reform school.

DEFINITION

A hangover has been defined as the burden of too much proof.

2 Lost-Time Accidents Are First For '69

Two Y-12ers suffered lost-time injuries Sunday, August 24.

Two men in Chemical Services were in the process of setting up a caustic dissolving operation. There was an eruption of material from the dissolver drum which splashed on the employees and got behind their safety glasses.

One employee suffered corneal burns in both eyes . . . the other only in one eye.

Co-workers assisted both Metal Preparation men in getting under the safety shower. They were treated at the Dispensary, then admitted to the Oak Ridge Hospital.

Both men are released from the hospital, and an Oak Ridge physician is quoted as saying no permanent damage is sustained by either man.

The accidents were the first lost-time mishaps of the year, and brought to an end a string of accident-free days at 274 . . . or approximately 8,965,000 man-hours, the second longest stretch the plant has ever enjoyed without a serious injury.

Illinois' Krieger Is Physics Seminar Guest

Stephan J. Krieger, University of Illinois at Chicago, will speak at this week's Physics Division seminar. His subject will be "Hartree-Fock Calculations of Deformed Light Nuclei."

The seminar is set for Friday, September 5, at 3:15 p.m. in the East Auditorium of ORNL's 4500 building.

CHURCH FIRES

Church fires damage or destroy nearly 3,700 places of worship in the United States each year, according to the National Fire Protection Association. Average annual cost of church fires is more than \$20 million.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated Eight Days Or 232,000 Man-Hours (Unofficial Estimate) Through September 1 Without A Disabling Injury SAFETY AT HOME, AT WORK, AT PLAY

Loan Premiums Set At Credit Union

The Y-12 Credit Union, in continuing its efforts to make its services more valuable and attractive to its member-owners, has initiated a new plan of Borrower-Participation Awards. The plan provides for payment of \$50 each month to the holder of a loan of \$100 or more that was made during that month; the loan may be either a new loan or a renewal.

It works this way: On the first day of each month, starting September 1, \$50 will be set aside for that month's award. As loans of \$100 or more are made or renewed during the month the names of the borrowers will be put in a box. At 10 a.m. on the first working day of the following month a name will be drawn from the box to identify the lucky participant. He will be notified that same day unless he is not at work for some reason, and he may claim his award in cash or have it credited to either his share or loan account. Member-owners will be eligible for only one participation award in any one calendar year. Credit Union employees and officers will not be eligible for these awards.

ORAU Library Will Close Thursday Eves

The Oak Ridge Associated Universities Library, Badger Avenue, is observing its Fall hours, effective September 1. The following schedule is in effect: Monday through Wednesday, 8 a.m. to 4:30 p.m. only . . . Saturday 8 a.m. to 1 p.m.

The only change in the new schedule is the elimination of the previous Thursday evening hours.

SMILE, PARDNER!

'Just call me Tex,' drawled the cowboy.

'You from Texas?'
'No, actually I'm from Maryland . . . but who wants to be called Mary?'

The Bulletin

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



NUCLEAR DIVISION

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Wenzler Daughter Earns High Award



Demetria Herring

Anne Wenzler, Laboratory Operations, recently heard some good news from daughter, Demetria.

Her daughter, Demetria Herring, received a cash award of \$1,270 for a suggestion at Sewart Air Force Base, Murfreesboro, Tennessee. The amount was the largest ever awarded a civilian employee at SAFB.

Demetria's suggestion came as she noticed some mobility bags stored at Sewart, in excess, and the fact that they would never be used. The equipment—mess kits, tents and sleeping bags used by airmen going on bivouac was valued at \$216,010. Demetria is a secretary in the 64th Tactical Airlift Wings' Materiel Office.

A 1960 graduate of Oak Ridge High School, Demetria attended Knoxville Business College before going to Sewart.

Her husband, Melvin (Bobo) Herring will be remembered as a football, basketball and track star at Oak Ridge, where he graduated in 1958. He also graduated from Middle Tennessee State College, and is employed as personnel manager with the International Paper Company, Murfreesboro.

The Wenzlers live at 104 Aspen Lane, Oak Ridge.

'It Will Die When We No Longer Care ...'

"I do not believe the greatest threat to our future is from bombs or guided missiles. I don't think our civilization will die that way. I think it will die when we no longer care. Arnold Toynbee has pointed out that 19 of 21 civilizations have died from within not by conquest from without. There were no bands playing and flags waving when these civilizations decayed. It happened slowly, in the quiet and the dark when no one was aware." Laurence M. Gould, president emeritus, Carleton College.

September Song

Start Of School Poses Special Problems To Motorists

School Bus Poses Special Problems

School bus safety depends much on the behavior of passengers, who share the responsibility with the drivers, school administrators, and the motoring public on the same highways.

An estimated 16 million children will use school buses daily this year, according to the U.S. Department of Health, Education and Welfare. About 35 percent of the students enrolled in public elementary and secondary schools are carried in buses owned or contracted for by boards of education.

Even before school starts, parents should make sure their children are ready to accept their part in making buses safe, the National Safety Council says.

Pupils should leave their homes early enough to reach the bus stop in time for the bus, but without undue haste. At the same time, they should not be so early that they have a considerable wait.

When it is necessary for the children to walk along a road rather than a sidewalk to reach the bus stop, they should walk on the left side, facing traffic. They should keep as far to the left of the shoulder as possible. If there is no shoulder, or if it is narrow or wet and slippery, they should not walk more than two abreast. Single file is better, and a group should never spread out over a major part of the roadway.

The pupils should board the bus without delay, but without crowding or pushing. They should take their seats promptly, and remain in them until the bus has reached its destination and has stopped completely.

The passengers should follow the driver's directions promptly and willingly.

In most communities, pupils are directed to step in front of the bus after leaving it and to wait until the driver signals that it is safe to walk, not run, across the highway. The children should not rely entirely on the driver's signal, but should observe the traffic themselves.

Children should be taught not to put their heads or arms out the windows. They should not throw things about inside the bus or out of windows or doors.

They should understand the use of emergency doors, but should not tamper with them during normal travel.

Car Pools?

Groups of parents frequently band together to form car pools to carry their children to and from school, especially if the way is long or streets with heavy traffic must be crossed.

The National Safety Council urges that several suggestions be followed in planning a pool.

All drivers in the pool should be expert and safe drivers. They should be emotionally stable, able to control their passengers and themselves without difficulty.



All cars used should be large enough to seat all the passengers. The pool should not be permitted to grow so large that an automobile becomes overcrowded.

A driver who does not keep his car in good mechanical shape, or himself in top physical and mental condition should not be a part of the pool.

An extra passenger should not be taken along to run an errand if it means that the vehicle must be crowded or the pupils late for class.

Does Your Child Walk To School?

Parents whose children will walk to and from school should see to it that their children are taught how to get to school promptly and safely.

The National Safety Council makes these suggestions to prepare the youngsters for this new adventure.

Before school opens, they should be carefully taught how to recognize traffic signals and how to obey them, especially if they must pass such signals between school and home. If special pedestrian signals are used, they should understand these too.

Parents should make sure their youngsters know the way to school. It may be necessary to walk through the route with them several times before school starts or for the first few days of school.

Many schools have student patrols at street intersections. The children should understand that the patrols are to help them, and that they are to follow the directions of the patrol.

Streets should be crossed only in marked crosswalks or at intersections in line with sidewalks. Impress upon children that moving cars cannot stop immediately, so they must look right and left for oncoming cars, and check cross streets for turning traffic.

Don't run across the street. A fast walk is better. Go directly to the opposite side without any loitering in the street to call to or visit with friends.

While waiting to cross the street, keep on or behind the curb. Don't stand in any part of the street. Never run into it suddenly for any reason.

If there are subways or elevated crossings, use them rather than trying to cross through gaps in traffic.

The child should not be taught

to fear the street or traffic, but to be self-reliant and confident. When he has determined the proper time to cross the street, he should do so without hesitation.

He should understand that he is never to accept gifts or offers of rides from strangers.

Finally, if parents always follow these safety rules, their children will learn them much better.

Driver Education Is Vital Today

The need for proper education of drivers grows increasingly evident as the automobile steadily gains importance in American living. Nearly every adult in this country drives at least occasionally.

Each year more students are driving to and from school. One of the best ways to improve driver performance is for every high school student to take a driver education course.

The National Commission on Safety Education and the National Safety Council recommend that driver education courses include at least 30 hours of classroom work and six hours of behind-the-wheel driving experience. More than 60 per cent of the nation's 20,000 high schools provide such courses.

With better than average reflexes and quick learning ability, high school age drivers are capable of becoming excellent, safe motorists.

The main fault of younger drivers is a tendency to speed, according to the NSC. Young people too often have an urge to show off to their friends. They lack the experience necessary to recognize their driving faults.

Teen drivers who have received formal driver education have fewer traffic accidents than those who have not, Council statistics show.

Many insurance firms offer lower automobile insurance rates to young drivers who have successfully completed the approved course.

Bike Safety

As long as the weather is good, and that is most of the year in many parts of the country, millions of students will be riding bicycles to school.

Parents should be sure their children are able to handle their bikes with skill, that they know and observe regulations before permitting them to ride bikes to school.

Studies by the National Safety Council show that it is much better for a bicycle to keep to the right side of the road rather than on the left facing traffic. Soft or rough shoulders, curbs and guard rails make it impossible for a cyclist facing traffic to yield the right-of-way to every approaching vehicle.

The cyclist should use hand and arm signals to warn others of any intention to stop or turn.

He should never attempt to squeeze in between two lanes of traffic, whether the cars are in



motion or are halted at a stop signal.

Cyclists should never ride more than two abreast in a street or road.

Bicycles should be walked across busy streets, in crosswalks or at intersections.

If it is used at night, the bicycle should be equipped with the proper headlight and rear reflector.

At school, as at home, the bicycle should be kept upright in a rack or with the kickstand in a designated place so that no one will trip over it.

Extra Alertness Is Required Now

Soon 48,000,000 children across the country will be heading for school at the same time that many motorists are going to work. With so many children on the streets early in the morning, the motorist has to be more alert.

Most of the youngsters have been told how to get to school safely. But kids being kids don't always remember the right way to do things, the National Safety Council says.

Younger children especially lack experience which tells them automatically what to do in an unexpected situation.

The Council offers these suggestions for those driving during the school year:

Remember that school yards, empty all summer, are now filling with shouting, racing children who do not always watch where they are going. Be prepared for a child to dash suddenly into the street.

Be ready for the unexpected whenever you see a group of children near the street.

Give yourself an even greater margin for safety in rainy or winter weather when streets are slick.

Always keep your car in top mechanical condition. Be sure it will respond as it should for safe operation.

Man's Name Is Important To Him

Dale Carnegie teaches that a man's name is the most beautiful sound he hears and the most pleasing to the eye when he sees it in print. We all should, therefore, make every effort to pronounce a man's name correctly and write it correctly—as he pronounces it, and as he writes it.

A man has no enemy worse than himself.





Oak Ridge's Big Wild Cats For 1969-70

Regular Season In Softball Ends, As Four Teams Must Play Off For Crown

Regular season's play ended last week in the Softball League with each team beating out a 17-game schedule. (There is, however, a play-off among the top-four teams to see who is the league champion.)

The Braves finished first in regular play with no losses.

Friday, August 22, put two make-up games by as the All Stars completely out-did the Big Shops 25 to 5. Bobby Belt beat out a homer for the only big one of the game.

Then the Big Shops lost also to the Snakes... with Horace Mooreman gaining two big four-baggers and Bob Culton getting one.

Regular play last week commenced as the Braves beat the NC Squad 19 to 11.

Pitcher John Evans homered... as did Steve Babb for the winners. Tom Bennett beat out one for the losing team.

The Braves then turned their

Colts Clip One At Braves' Expense

The K-25 Colts, big threats for years in the Softball League, swamped the All Stars for the fourth place in play-off which made them eligible to take on the league leaders... the Braves.

The Colts came out raring to go Tuesday and beat the All Stars 23 to 7.

John Keith and Sam Woodfin poled long homers for the winning cause.

Then on Wednesday the Braves and Colts split a double-header... the Braves winning game one 10 to 9... as Jim Shoemaker sank two beyond the fence for the Braves.

Ted Hatcher had a homer for the losers in game one.

In game two, it was another story... as the Braves lost 13 to 10, despite two homes by Steve Babb and one each by Fred Wetzel and Dan Norris.

Then Y-12 Snakes put the Eagles down in a double-header... winning game one 8 to 2... game two 12 to 10.

In number one it was a difference of number of hits, as the Snakes earned 10 to the Eagles' 6.

In game two it was the same old story... 17 hits to 11... as Horace Mooreman homered for the winners... Dave Hendrickson for the losers.

fury on the Bat Boys, beating them to the ground 30 to 3... Fred Wetzel homered twice... Ray Ellis, Larry McDonald once.

For the losers it was Doug Roberts.

The Bat Boys then lost the short end of a double-header... this time to the All Stars... 21 to 12.

For the Stars it was Pete Bovine with two big ones... Rod Dobbs... and Lewis Alley with one each.

Tuesday's opener was a thriller, as the Eagles edged by the Buccaneers 11 to 10... scoring the big win in the 10th inning. For the losers it was Randy Collins and Ray Cooler with homers.

The 69ers took an easy forfeit win from the J-Birds.

The 69ers sank the Beta 2 Miners 32 to 4... as Jim Hylton, Russ Smith and Wayne Ferguson all put a long bat to a homerun.

Two more forfeit games got under the belt as the Beta 2 Miners beat the A-Wingers... and the Gashouse Gang took a win from the Yankees.

The final game saw the Go Go Gophers get by the Show-Ups rather handily 18 to 5.

Almost everyone on the Gophers team boomed out a good hit... with Thompson-Felts-Edwards getting homers.

Final regular standings:

Team	W	L
Braves	17	0
Snakes	16	1
Eagles	14	3
Colts	14	4*
All Stars	13	4*
K-25 Gashouse Gang	11	6
69ers	11	6
NC Squad	9	8
J-Birds	8	9
Buccaneers	8	9
Yankees	7	10
Big Shops	6	11
Show Ups	5	12
Go Go oGphers	5	12
Bat oBys	4	13
Beta 2 Miners	3	14
A Wingers	3	14
Beta 2 Astros	0	17

*Denotes extra game for fourth place to enter play-offs.



"You think you earn enough to support my daughter—want to bet?"

Recreation



Monday, September 8

BOWLING: C League Kick-Off, 5:45 p.m. Ark Lanes.

VOLLEYBALL: 7 p.m. Informal play. New Jefferson Junior High School Courts.

Wednesday, September 10

VOLLEYBALL: 7 p.m. Informal play. New Jefferson Junior High School Courts.

MELTON HILL GOLF EAGUE: After work. Melton Hill Golf Course, Clinton. Final matches.

BOWLING: Mixed League, 8 p.m. Ark Lanes.

Thursday, September 11

BOWLING: Classic League, 5:45 p.m. Ark Lanes.

HORSESHOE LEAGUE: 7 p.m. City Courts, Jackson Square.

Sunday, September 14

SKEET TOURNAMENT: 1 p.m. Oak Ridge Sportsmen's Club range.

ALL WEEK

SOFTBALL TOURNAMENT: Schedule is in hands of all team managers.

Softball Tourney Set To Begin Mon.

Action in a single-elimination Slow Pitch tournament will get under way Monday, September 8 at two different fields in Oak Ridge.

Scheduled at Pinewood Monday are the following games: 6:15 p.m.—K-25 Gashouse Gang vs. K-25 Colts; 7:30 p.m.—Eagles vs. Beta 2 Miners. Set at the new Jefferson Junior High School field at 6:15 is the match between the Yankees and Snakes. At 7:30 the Jay Birds play the Buccaneers... and at 8:45 the Braves and NC Squad collide.

Winners of the games will play again Tuesday... and the semi-finals and finals will be played at Oakwood Wednesday night. In other words, the champs and runners-up will play double headers.

Next week's play will wind up the Softball action for the year.

STRANGE COINCIDENCE

It may just be a coincidence, but have you thought anything about man's best friend being unable to talk?

Oak Ridge Wildcats' 1969 Schedule

*September 12	Knoxville East
September 19	Bearden
*September 26	Kingsport
*October 3	Johnson City
October 10	Crossville
*October 17	Baylor
October 24	McMinnville
*October 31	Maryville
*November 7	Pisgah, Canton, N.C.
November 14	Cleveland
*Home Games . . . 8 p.m., Blankenship Field.	

Baker-Babb Back In Melton Lead

The lead changed hands again last week in the Melton Hill Golf League as both top defenders lost considerable points on the green. The Alvey-Phillips duo put down the Riggs-McElroy pair by six points... and Stewart-Wright outdid Baker-Babb by four.

Big wins were registered by Parker-Parrott over Stinnett-Helton, Morehead-Poly over Tiller-Clabough (forfeit), Gresham-Brown by Carter-Waldrop, Nixdorf-Reed over the Sewells. Taking five were Tuck-Wetzel by Loupe-Gordon and Winstead-Johnson by Dunaway-Wright.

Pryson-Ridings took four from Sherrod-Wyrick.

Reed and Wyrick shot 34 handicap lows... and Reed put a 37 scratch into the score books.

League standings follow:

Team	W	L
Baker-Babb	61	29
Riggs-McElroy	60	30
Stewart-Wright	60	30
Tuck-Wetzel	59	31
Parker-Parrott	59	31
Tiller-Clabough	55	35
Alvey-Phillips	49	41
Stinnett-Helton	49	41
Sherrod-Wyrick	48	42
Gresham-Brown	47	43
Winstead-Johnson	41	49
Sewell-Sewell	40	50
Pryson-Ridings	38	52
Dunaway-Wright	36	54
Nixdorf-Reed	35	55
Morehead-Poly	39	59
Carter-Waldrop	25	65
Loupe-Gordon	17	73

Goss-Stanton Take SW Point Golf Crown Handily

W. B. Goss and B. B. Stanton took the Southwest Point Golf League handily... thanks to a six-point win over Smith-Henderson the final week of action.

In other matches Jones-Morgan dumped Mee-Wright for five and Argo-Groppe took Bolt-Bush for the full count of six.

Turning in duplicate scores were B. B. Stanton and Dan Morgan, each with a 36.

League standings follow:

Team	W	L
Goss-Stanton	66	24
Smith-Henderson	52	38
Jones-Morgan	50	40
Mee-Wright	41	49
Bolt-Bush	37	53
Argo-Groppe	24	66

Reed-Stephens Are Horseshoe Leaders

Y-12ers Reed-Stephens keep a steady lead in the Horseshoe League after a nine-point win over Bailey-Luckett, and a seven-point over Wyatt-Wagner. Case-Allmon posted seven at the expense of Nichols-Norris for the only other match of the week.

League standings follow:

Team	W	L
Reed-Stephens	32	4
Case-Allmon	26	10
Nichols-Norris	20	16
Wyatt-Wagner	16	20
Gray-Copeland	11	11
Durham-Harness	10	17
Helms-Fowler	9	18
Bailey-Luckett	2	25



"No — no trouble — I just put that up whenever I want a raise."



Carpool members wanted from Cedar Lane, Fountain City area to any portal, straight day. Wayne Collette, plant phone 3-7394, home phone Knoxville 687-0386.



COPING WITH THE 'AIR JAM'—Main coach section of new Lockheed 1011 jetliner scheduled to fly in 1971 is designed to handle 250-345 passengers. This and other examples of how technology is gearing up today to meet the growing demand for passenger air travel, will be reported in 'The 21st Century' episode, 'The Air Jam,' Sunday, September 7, at 6 p.m., EDT in color on the CBS Television Network. Walter Cronkite is principal reporter for the series which is sponsored in the public interest by Union Carbide Corporation. The program is carried in Knoxville by WBIR-TV, Channel 10.

'The Air Jam' Topic For 21st Century Sunday, September 7, On Channel 10

With airline passenger lists growing at the rate of 40,000 a day, "The 21st Century" will report on the new technology being employed to dissolve "The Air Jam" Sunday, September 7 at 6 p.m., EDT in color on the CBS Television Network. CBS News Correspondent Walter Cronkite is principal reporter for the series which is sponsored in the public interest by Union Carbide Corporation. Knoxville television station WBIR-TV, Channel 10, carries the program in this area.

New aircraft designed to fly more people faster will be shown. They include supersonic planes designed to fly at three times the speed of sound, the "jumbo jet," designed to carry 350 passengers and the S.T.O.L. (short take off and landing) plane, all expected

to handle the air passengers.

Viewers will also visit with air traffic control and navigation technicians whose work insures the safety and efficiency of airline passengers.

Cronkite, in the cockpit of a BOAC VC-10, will conduct an automated "no-hands" landing at Ireland's Shannon Airport.

Sophisticated computerized equipment which could eliminate all verbal air-to-ground communications by the twenty-first century will also be demonstrated.

"The Air Jam" was written by Patricia Lynch. Fred Warshofsky is science editor for "The 21st Century," Isaac Kleinerman is producer and Burton Benjamin is executive producer.

"The Air Jam," Sunday, at 6 p.m. . . . WBIR-TV, Channel 10.



Congratulations to several Y-12ers marking important dates with Union Carbide Corporation these balmy, late Summer days.

25 YEARS

Everett W. Forbes, Beta Two Shop, September 4.

Bart Slover, Stores Department, September 5.

Charles W. Sweeten, Building Services Department, September 6.

Anderson H. Inman, Micro-production and Engineering Services, September 7.

Harold D. Culpepper, Facilities Engineering, September 7.

15 YEARS

Odis R. Chambers, Dimensional Inspection, September 3.

Kenneth W. Silvers, Beta Four Heavy Machine Shop, September 3.

Percy Miller Jr., Beta Four Heavy Machine Shop, September 7.

William R. McCollister, Utilities Administration, September 7.

Loyde E. Cantrell, General Machine Shop, September 7.

Furman R. Swanson, General Machine Shop, September 7.

Jimmie D. Snow, Utilities Administration, September 7.

Kenneth E. Thomas, Utilities Administration, September 7.

Wylie B. Biddix, A-2 Shops, 9212, September 7.

James T. Gent, General Expediting and Auxiliary Services, September 7.

Jonah K. McGregor Jr., Machine Maintenance, September 7.

Dulan B. Suttles, Process Maintenance, September 7.

James E. Mills, Product Information Center, September 8.

Elizabeth E. Kilby, Shift Superintendents, September 9.

James B. Farmer, Research Services, September 9.

10 YEARS

Lloyd P. Stevens, Beta Four Heavy Machine Shop, September 8.

GOLDEN SILENCE

There's nothing wrong with having nothing to say—just as long as you don't say it out loud.

ular and atomic levels of the cell, discusses sophisticated research tools and predicts future achievements in the field.

The movie may be borrowed free of charge, except for return postage from the Motion Picture Film Library at the AEC.



ROMEO GREENE, design engineer in the Mechanical Design section is seen speaking to a recent meeting of the Clinton Optimist Club. Greene spoke on Y-12's involvement in the Apollo 11 moonshot.

Greene Addressed Clinton Optimists

Romeo Greene, a design engineer in the Mechanical Design section of Y-12, was guest speaker at the August 26 meeting of the Clinton Optimist Club. Greene showed slides and spoke on the moon-box which was fabricated in Y-12. He also displayed a moon box, lunar sample scoop, and several other items from the lunar hardware collection.

The Clinton Club has 55 members, 13 of which are Y-12ers. Larry Egner, ORNL, is president of the Optimists for 1969.

Molecular Biology Film Available From AEC

A nontechnical movie outlining the new science of molecular biology is being made available for free loan to the public through the Atomic Energy Commission's film library here.

"Molecular Biology: An Introduction" is a 15-minute color film produced by the AEC's Argonne National Laboratory at Chicago.

The film explains how molecular biology has emerged to dominate the life sciences and opened up the new frontiers of biophysics and biomedical research. It traces exploration into the molec-

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Camera Club Will Present Outstanding Photographs From Area In Top Showing



'MISSES AND MIST' a monochrome by Ward B. Huzzard, Falls Church, Virginia, is one of the beautiful prints to be exhibited at the Oak Ridge Community Art Center, beginning Sunday, September 7. The show will be shown through Sunday, September 14.

Gus Angele Speaks At New Jersey Meet



G. J. Angele Sr.

Gustave J. Angele Sr., plant sanitary engineer, will address a seminar this month in North Brunswick, New Jersey. He will speak on 'American Water Works Association Objectives' and 'How to Start a Cross-Connection and Backflow Prevention Program' at the seminar on "Cross-Connection Control in Water Supplies."

The seminar is sponsored by the New Jersey State Department of Health and the New Jersey section of the American Water Works Association in cooperation with the New Jersey Health Officers Association and the New Jersey Association of Sanitarians . . . as well as the New Jersey Manufacturers' Association.

Angele will also present a paper at the Indiana Section of the American Water Works Association in February, 1970 on the legal aspects of cross connections with regards to water utilities.

Safety's always in season.

The Carbide Camera Club will sponsor a public showing of prize-winning photographic prints at the Oak Ridge Community Art Center, Sunday, September 7, through Sunday, September 14. The 35 prints to be displayed are from the Photographic Society of America "Tops in Photography" collection. The work of several residents of Southern states who have won prizes in International Salons is included.

The exhibit was arranged by A. A. Abbatiello, president, and Dick Lorenz, program chairman, of the CCC, which is affiliated with PSA. The show represents the top work of American photographers, many of whom have exhibited in foreign salons. Exhibit hours are Monday through Friday, September 8-12, 9 a.m. to 1 p.m. Tuesday, September 9, and Thursday, September 11, 7 to 9 p.m. Saturday, September 13, 3 to 6 p.m.; 7 to 9 p.m. Sunday, September 7 and 14, 3 to 6 p.m.

Club members will meet Tuesday, September 9, at 8 p.m. in Donora Hall to hear lectures by two club members.

Prize-winning photographer Don Rucker will discuss "Composition" and Bob Manis will demonstrate his inexpensive home-made device for processing color prints.

No members' competition is set for September. Instead members will prepare entries for the annual Carbide Camera Club Salon, which opens Sunday, September 21, at the Oak Ridge Community Art Center.

Winners in the August competition "Water" were: Color slides: Fred de Serres and Lee Andrews; Color prints: Peggy Turner, Anna Dobbins and Bill Harper; Black and White prints: Bill Russell and Stan Lebo.

DEFINITION

A genius has been called a man who shoots at something no one else can see . . . and hits it.