

Barbara Stonecipher Is Latest Addition To Certified Professional Secretaries Rank



Barbara Stonecipher

Barbara Stonecipher, secretary to Kenneth W. Bahler, has joined the distinguished ranks of Certified Professional Secretaries. She was notified recently of her successful efforts in the severe examination.

The CPS program is administered by the Institute for Certifying Secretaries, a department of The National Secretaries Association (International). Under the program, a secretary who satisfactorily completes all six sections of the strenuous examination receives the CPS rating. The examination requires two days, approximately 12 hours.

Areas covered include secretarial accounting, business law, business administration, economics, human relations, secretarial skills, and secretarial procedures. The examination is open to any secretary who meets the requirements set by the Institute. Membership in the NSA is not a prerequisite, the local chapter of NSA points out, as the tests are made available to anyone working in the secretarial profession who desires to take the examination.

Union Carbide boasts more Certified Professional Secretaries than any other major company in the United States.

Barbara worked for eight years in the K-25 Industrial Relations Division, before moving to her present position in 1965. Prior to her UCC employment, she was associated with the La-Lite Aggregate Company, Lake City, where she presently resides with her mother and brother in the family home on Norris Freeway.

After completing high school in Habersham, Tennessee, Barbara studied at Nashville Business College. More recently, in preparation for the CPS examination, she has taken numerous courses offered by the UT Extension and the Oak Ridge Adult Education Programs.

Barbara joins Mabel Tyer, secretary to H. G. P. Snyder, Industrial Relations Superintendent; and Marigrace Kirstowsky, secretary to Dr. C. E. Larson, president of the Nuclear Division, as those Y-12ers eligible to append the distinguished CPS after their names.

The state of Tennessee now claims 140 secretaries who have passed the strict examination. In the first 17 years of the CPS program, 3,901 secretaries have earned this coveted award.

Miss Stonecipher will be awarded her CPS certificate in ceremonies next month in Oak Ridge.

TAT Applications More Than Double

The Tennessee Department of Employment Security reports that more than twice as many persons have applied for the Training and Technology Project's industrial skill and technical training program this year, as compared to last year's applications.

The Department said more than 1,100 persons have applied to date through local employment security offices for training in one of the six skill or technical fields—machining, mechanical design drafting, combination welding, physical testing, glass fabrication and industrial electronics.

Appointments will be announced by September 1 for classes to begin on September 11. All courses except welding will continue for 42 weeks. The welding course lasts 21 weeks.

Applicants must be between the ages of 18 and 60 and should be graduates of accredited high schools or have satisfactorily passed the General Education Development Test. The training is open to any qualified person, without regard to race, sex, creed, color or national origin.

The program also includes special 14-week training courses for advanced level students in vocational schools. All electronics trainees and some of the machining and drafting trainees will be chosen from this source.

Training will be carried out in Y-12 with an experienced group of engineers, industrial supervisors, technicians and skilled craftsmen serving as staff members. Oak Ridge Associated Universities is coordinating the project, and the University of Tennessee provides counseling services.

The program is designed to prepare persons working below their potential for positions as skilled workers or technicians in industry. The project provides assistance in placing its graduates in industrial jobs.

Training and Technology is supported by the U. S. Office of Education and the U. S. Department of Labor through interagency agreements with the U. S. Atomic Energy Commission.

GOOD OLD DAYS

'Nothing is more responsible for the good old days than a bad memory.' . . . F. P. Adams.



THE HANDSOME NEW BUILDING that houses the Electrical and Electronics Department will give the public its first view inside Y-12 in its entire history. An open house is planned for the Labor Day weekend, of Saturday and Sunday, September 2 and 3. Other divisions will sponsor displays for the interest of the visiting public. Other AEC facilities in the Oak Ridge area will be opened to the public as a part of the Oak Ridge 25 celebration.

Surplus Sale Will Close August 23

There's almost 'something for everybody' in the closed-bid sale being offered by the Sales Office in the latest surplus property sale. A total of 111 lots are offered. Scrap metal, power poles, used drums, miscellaneous lighting fixtures, tools, forming machines, Venetian blinds, a nibbling machine (for the man who has everything!), a radio receiver, storage cabinets, generators, etc., etc.

These items may be inspected at the Powerhouse Area, K-25, and at the Salvage Yard, near Portal Five at K-25.

The sale will be terminated at 2 p.m., August 23.

A complete list of all the items to be disposed of, as well as the special conditions applying to the sale may be obtained from D. R. McCammon, telephone extension 3-4601.

50¢ Dividend Declared By Union Carbide Board

The board of directors of Union Carbide Corporation has declared a quarterly dividend of fifty cents (50¢) per share on the outstanding capital stock of the corporation, payable September 1, to stockholders of record at the close of business on August 4.

The last quarterly dividend was also fifty cents per share, paid on June 1.

Horse Show Is Set Saturday In Ridge

The East Tennessee Riding Club will feature a Horse Show Saturday, August 19, at 11 a.m. at the Club on Tuskegee Drive, Oak Ridge. There will be equitation, jumping and other classes.

Admission is \$1 per adults, 50¢ per children. Several Y-12ers and off-springs will be seen in the riding spectacular.

Public To Get Glimpse Of Y-12 September 2, 3

As part of the Oak Ridge—25 celebration, the general public will get a glimpse of the Y-12 plant for the first time in history. (Employees only and their families were admitted to the 'Open House' festivities in 1965.) All Atomic Energy Commission facilities in the area will feature tours where the public will be able to see all or part of plant facilities. (Only the extreme east end of Y-12 will be open, or more specifically, Building 9737, where the Electrical and Electronics Department is located.)

Production and research divisions in the plant will also have displays in the new addition to Building 9737.

The tours will be held Saturday and Sunday, September 2, and 3 . . . from the hours of 9 a.m. Saturday until 5 p.m., Sunday from noon until 5 p.m.

Many of the laboratories in the Electrical and Electronics Department will be 'manned' by division people who will be equipped to describe the various displays and instruments, and answer questions.

ORNL and K-25 will feature open house on the same days . . . along with Oak Ridge Associated Universities, ORTEC, the University of Tennessee Agricultural Station, the Arboretum, and the Atomic Museum, along with other facilities.

Although the tour in Y-12 is limited to the Electrical and Electronics building, there will be interesting displays representative of other functions in Y-12. A Gemini display is planned . . . a rat that has a radio transmitter implanted under his skin . . . and many other interesting features will be shown. The Dosimetry Trailer will be outside, as well as the mobile 'whole body' counter.

A remote controlled robot will be shown to the public for the first time.

At least an hour and a half will be required for the Y-12 visit. The tour will be self-guided, however, and can be timed to suit the visitor's wishes.

Parking will be entirely in East Portal, and the usual rule of no cameras, firearms and pets are allowed inside the perimeter of the plant.

Displays planned for other divisions include Development, staged by L. E. Burkhart; Fabrication . . . by F. V. Tilson, T. R. Webber and J. R. Thorpe . . . Technical by V. C. Jackson, C. M. Knowles, G. W. Evans and J. D. McLendon . . . Safety by C. E. Johnson and B. I. V. Bailey; Engineering by J. C. Little; and the Standards Laboratory by A. K. Johnson. C. B. Tolliver will supervise the Moon Rock Box display.

George Oliphant is coordinating the overall efforts for the Labor Day week-end Open House.

That's Saturday and Sunday, September 2 and 3 . . . from 9 a.m. until 5 p.m. Saturday; and noon until 5 p.m. Sunday.

Union Carbide Forms New Company In Greece

A new company in Greece, Union Carbide Hellas S.A., with an investment of \$2,500,000 is to be formed, according to an announcement from Birny Mason Jr., chairman of the board of Union Carbide Corporation.

The new subsidiary will build a modern battery plant near Thebes, which will manufacture Ucar dry cell batteries for flashlights, transistor radios and general applications.

Union Carbide affiliated companies have been active in the Middle East and Africa for many years with major marketing programs for batteries, plastics, agricultural chemicals and other chemical products.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated 121 Days Or 3,480,000 Man-Hours (Unofficial Estimate) Through August 13 Without a Disabling Injury Safety At Home At Work, At Play

The Bulletin

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



NUCLEAR DIVISION

JAMES A. YOUNG Editor

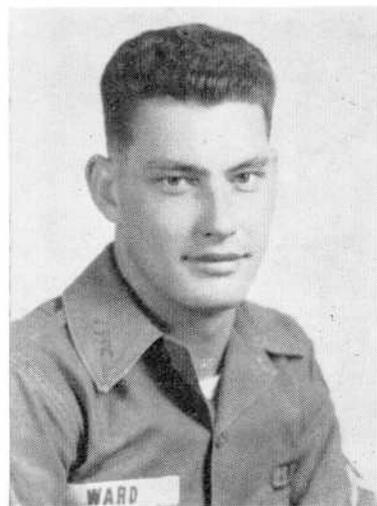


American Association Industrial Editors

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Ward Son Receives Coveted Air Medal



Specialist Robert L. Ward

Button-popping pride reined recently at the C. W. Ward home, 905 West Central, LaFollette.

The Wards were notified that their son Army Specialist Four Robert L. Ward had received the Air Medal for heroism during a night resupply mission near Phu Loi, in Vietnam.

After an urgent call came through for an emergency resupply of ammunition from a Special Forces camp under heavy Viet Cong attack, Ward volunteered and, along with other members of the helicopter crew, braved low ceilings, driving rain and thunderstorms to carry two loads of ammunition to the group.

On one of these approaches, he had to leave the helicopter to give the pilot landing instructions, thus becoming an easy target for the VC below.

Specialist Ward entered the Army in 1961 and was stationed at Fort Benning, Georgia, before his arrival in Vietnam last January.

The proud father is in Y-12's Process Maintenance.

Macroscopic Particles Subject Of Seminar

E. R. Harrison, Goddard Space Flight Center, Greenbelt, Maryland, will speak on "Fusion from Energetic Macroscopic Particles," at tomorrow's Thermonuclear Division seminar.

The seminar is set for 9 a.m. Thursday, August 17, in the TD Conference Room, Building 9201-2.

TOO FAST

Excessive speed is blamed for more than 41 per cent of the highway accidents in 1966. It is the largest single factor in all fatal accidents resulting from driver error.



The long days of August stretch on, endless as the summer itself. More Y-12ers cross thresholds of note with Union Carbide Corporation. Congratulations.

20 YEARS

Paul C. Marine, Utilities Administration, August 16.

Mabel J. Stapleton, Chemical Services, August 17.

Frank L. Lambert Jr., Metallurgical Development, August 19.

Gerald R. Guinn, H-1 Foundry, August 22.

James R. Wilmoth, Utilities Administration, August 22.

15 YEARS

Ambrose H. Ballard, Chemical Engineering Development, August 18.

Ruben A. Hubbard, Area Five Maintenance, August 18.

Carnelon V. Terry, Micro-reproduction and Engineering Services, August 18.

Dana B. Arnold, Alpha Five Machine Shop, August 21.

Elmer F. Brooks, Research Services, August 21.

Roy H. Stooksbury, Stores Department, August 22.

10 YEARS

James G. Hallau, 9215 Rolling Mill, August 19.

James D. Shelton, Dimensional Inspection, August 19.

Carbide Plans Spain Complex

Plans for the construction of a \$10-million graphite electrode plant at Pamplona, in the province of Navarra, Spain, by a wholly owned affiliate of Union Carbide Corporation have been announced by Birny Mason Jr., chairman of the board of Union Carbide. The plant will be fully integrated from raw material to finished product and will have a capacity of 10,000 tons per year. It is expected to be completed late in 1968.

Conveniently located near Spain's largest steel manufacturing area, the new production facility will enable Union Carbide to participate more fully in the country's growing steel industry. The facility will be capable of producing large electrodes up to 24 inches in diameter. It will also have capacity for the manufacture of anodes for chlorine production.

The Pamplona plant will be Union Carbide's first major facility in Spain. At present, a branch office of a Union Carbide affiliate in Madrid carries on limited marketing activities. These operations will be taken over by Union Carbide Iberica S.A.

Other Union Carbide affiliates producing graphite electrodes in Europe are located in Italy, France, Sweden, and the United Kingdom. Union Carbide has interests in companies operating in more than 30 countries serving markets in more than 100 countries around the world.

'Look At Moon' Is Joint Seminar Theme

A joint Physics-Chemistry Division seminar Friday will feature P. R. Bell, chief of Lunar and Earth Sciences division, NASA's Manned Space Craft Center, Houston, Texas. His subject will be "A Close Look at the Moon."

The seminar will be held Friday, August 18, at 3:15 p.m. in the Central Auditorium of ORNL's 4500 building.

Watermelon Brings Crowds To Park

E, F, G, H and J's big Watermelon Feast was a howlin' success! Over 300 turned out for the perfect day, melon eating on the lake. A big family day it was. Several brought as many as six, seven and eight, but Frank Fuis took high honors with nine in his group.

Ready for them, this time, is what they say too. Last year melons ran short, but this year was different. There were 75 extra large watermelons and 24 of them went out as door prizes. (One big juicy melon weighed an even 50 pounds!).

Carl Brewster and Chuck Bolyard did the cutting . . . and the Benninghoffs and Cecilia Bolyard did the honors with registration.

Winners of door prizes include C. F. Butler, ice cream freezer; S. E. McCoy, toaster; Frank Fuis, tote blanket; and E. F. Smith, a transistor radio. Taking watermelons home were W. S. Hollingsworth, H. Loveday, W. T. Bryson, O. C. Lee, E. M. Estes, C. F. Needham, Eugene Clowers, R. M. Hughes, J. J. Sewell, C. H. Edwards, C. Spradlin, C. R. Brazda, G. W. Linkous, E. E. Worsham, Fay Duncan, Eliza Tilley, J. C. Sims, R. W. Brothers, J. C. Thompson and W. M. Akers.

A lot of first-timers showed up and were properly awed by the Clark Center Park. They promised an early return to make use of the beautiful surroundings.



Two car pool members wanted from vicinity of Delaware, Oak Ridge, to North or Central Portal, straight day. Roy Roberts, plant phone 3-7565, home phone Oak Ridge 483-1207.

Car pool member wanted from Cedar Lane, Fountain City area, Knoxville, to North Portal, straight day. Paul Blakely, plant phone 3-5453.

Ride wanted or will join car pool from area of Senator's Club, Alcoa Highway, Knoxville, to North Portal, straight day. A. W. Maxey, plant phone 3-5268, home phone Knoxville 577-7432.

Ride wanted from Bradley Store, Emory Road, Powell to any portal, straight day. Dave Price, plant phones 3-7415 or 3-7789, home phone Powell 947-1386.

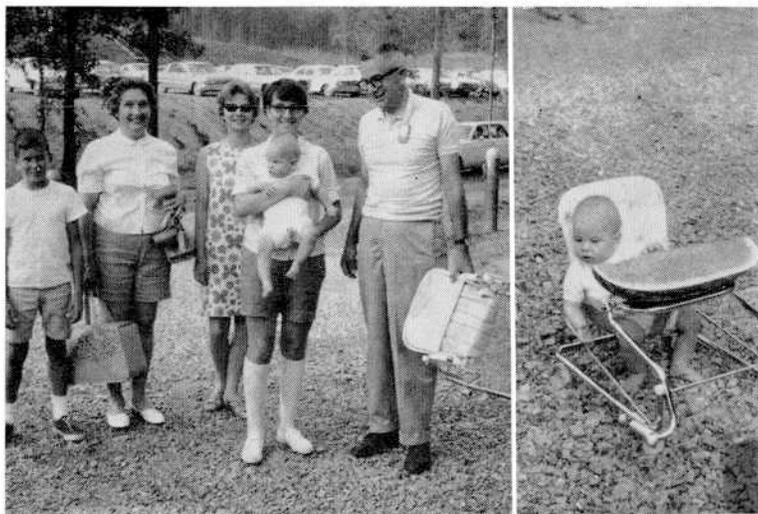
Will join car pool from Cumberland Estates, Knoxville, to West Portal, straight day. Gordon Hill, plant phone 3-5086, home phone Knoxville 588-5666.

Ride wanted from Halls Cross Roads, to Bear Creek Portal, straight day. Don Duncan, plant phone 3-7394, home phone Knoxville 687-6303.

Consumer Products 10% Of UCC's Sales

In 1966, consumer products accounted for about 10 per cent, or \$230 million, of Union Carbide Corporation's total sales. Prestone anti-freeze, which is one of Union Carbide's best-known products, has held the top position in the extremely competitive anti-freeze market for many years. Union Carbide sells about 30 car care products under its Prestone trade mark—including deicing fluids, brake fluids, polishes, and lubricants.

Follow security procedures.



WATERMELON ALL OVER THE PLACE was the word from E, F, G, H and J's big party at the Clark Center Park, held Sunday, July 30. The top photograph shows the R. H. Brothers family, including Master Richard, who looks a little dubious about tackling 'seconds!' Next, it doesn't matter where you sit as long as you have plenty of melons. In the third photos down, Elwood Cox, Utilities surveys the scene, and at right Hence Mitchell's girls are seen. In the bottom photograph Carl Brewster and Chuck Bolyard do the official slicing.

6-13486



THE BIG EAGLES ARE A THREAT to any comer in the Y-12-K-25 Softball League, currently in its second half. In front, from left, are Wayne Speller, Dick Huber, Assistant Manager Tom Watts, Fred Mundt, and Ted Williams. In the back row are Jim Thompson, Manager Hugh Richards, Trig Myhre, Tom Jay, Gale Helton and Kerry Maulden.

Braves Cinch Softball's Last Half To Take Undisputed Crown For Year

The Y-12 Braves cinched the last half of the league's race last week, eliminating any need for a play-off. The Braves had already won the league's first half.

The week of July 31 saw games fast and furious, as the softballers hit the diamonds to make up rained out games.

On the final day of July the K-25 Sports shellacked the Flyers 8 to 2 . . . with the Flyers Fred Bertrand poling the only homer of the game.

The Pirates edged by the Flyers in game number two 10 to 9. On the winning side it was Mack Wright and Ernie Collins, each with a four-bagger.

Braves Win Big.

The Braves beat the Bat Boys 33 to 7 in a rollicking one-sided affair also July 31. Tracy Vann cinched a homer, while Bobby Hopkins, Steve Babb and Jim Shoemaker all collected two. George Reece rammed one through for the losing Boys.

The K-25 Mets took a forfeit win from the Big Shops.

The K-25 Sports opened play Tuesday, August 1, by slipping past the K-25 Slugs 16 to 12. Jerry Howard homered for the winners . . . Wayne Langenburg collected two for the losers.

The K-25 Mets eked a victory from the Eagles 8 to 7 also Tuesday. Frank Koon kayoed a long one for the losing team; Sam Woodfin for the winners.

The Flyers beat the Bat Boys in final action 19 to 16. George Reece collected his usual homer for the losers . . . Dave Mason and Bob Ginaven for the winners.

Eagles Down Bat Boys

The Y-12 Eagles soared high over the Bat Boys also Wednesday, 13 to 6. Frank Koon, Trig Myhre and Hugh Richards all earned home-runs . . . Glenn Bryson on the losing side.

The K-25 Slugs found victims in the Y-12 Flyers in final play for the Slugs; John Malanify for the Flyers.

Make-up action saw the Braves meet their conquerors (their only ones) in the first half of the league . . . the Flyers. This time it was a different story. The Braves slaughtered them 32 to 0, getting revenge in full. Jim Shoemaker, John Evans and Steve Babb all batted out homers for the Braves, as the Flyers put a total of 13 errors on the scoreboards!

The K-25 Sports came through with a win over the Pirates 3 to 1 . . . as Baldy Clayton boomed out a four-bagger for the Pirates' only run.

The K-25 Mets barely won from the Bat Boys in the week's final play, 19 to 18. Romeo Greene gained one homer; Dave Hendricks two for the losers . . . George Plunk plunked one out for the winners.

Last week's record book began with a K-25 Slugs forfeit win over the Big Shops . . . and an Eagles win over the Falcons.

Braves Cinch It!

Action took the Braves comfortably by the K-25 Slugs 22 to 5 . . . as Rick Hull, Jim Shoemaker and Tracy Vann poled homeruns; Dave Henry kayoed one for the losing Slugs.

The K-25 Mets met disaster when they collided with the Y-12 Braves . . . the Braves winning 11 to 2. Ray Riggs, John Evans and Steve Babb all homered; Jim Shoemaker made it two.

Tuesday's play saw the Pirates take a forfeit win past the Big Shops.

The Bat Boys also won easily the same way from the Falcons.

The Eagles blanked the K-25 Slugs Thursday 15 to 0. Trig Myhre mauled the only four-bagger of the game . . . as the Eagles clawed out 21 hits.

The K-25 Mets trimmed Y-12's Flyers 4 to 1 . . . with Steve Cates and Wayne Neff nailing long ones.

The K-25 Sports polished off the week's action, by winning a forfeit victory over the Big Shops.

League standings follow:

Team	W	L
Braves, Y-12	11	1
K-25 Sports	9	2
K-25 Mets	8	3
Eagles, Y-12	8	3
Pirates, Y-12	6	5
Bat Boys, Y-12	5	6
Flyers, Y-12	3	7
K-25 Slugs	4	8
Falcons, Y-12	0	10
Big Shops, Y-12	0	11

Clark Center Camping Site Requires Permits

Camping facilities at the Clark Center Park require a permit. Due to the large increase in usage of facilities, it is now necessary to obtain a written permit issued before a camp site is occupied.

The permit must be shown to the patrolman in the park area upon his request.

These permits are obtained

Recreation



Monday, August 21

SOFTBALL: Tournament, beginning 6:15 p.m. Braves vs. Pirates; Eagles vs. Flyers; K-25 Sports vs. K-25 Slugs.

TENNIS: League play as per schedule to be arranged by players.

GOLF LEAGUE: Melton Hill Course, immediately after work.

Tuesday, August 22

SOFTBALL: Tournament, beginning 6:15 p.m. Pinewood Park. Bat Boys vs. Mets; Losers of Braves-Pirates vs. Losers of Eagles vs. Flyers; Winner Braves-Pirates vs. Winner Eagles-Flyers.

Wednesday, August 23

CARBIDE RIFLE LEAGUE: 7 p.m., Clinton Rifle Range.

GOLF: 4:30 p.m. Deadline for entering Southwest Point Tournament, set Saturday, August 26.

Thursday, August 24

SOFTBALL: Tournament, beginning 6:15 p.m. Pinewood Park. Semi-finals, winners bracket; Winners-Losers #1; Winner-Losers #2.

ARCHERY LEAGUE: 5:15 p.m. Oak Ridge Sportsmen's Association.

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

Saturday, August 26

GOLF TOURNAMENT: Final of the season, 6:30 a.m. Southwest Point, Kingston.

Roane County Bowlers Paged For Winter Play

Bowlers interested in taking part in Roane County bowling this fall and winter, take note. There will be a meeting tonight, August 16, at 6:30 p.m. at the Tri-Cities Lanes, Midtown, to establish league play for the new season. Both individuals and teams are needed.

Play will begin at 6 p.m. Wednesday, September 6, so time's a-flying. Get your name in the pot, whether you can attend tonight's meeting or not.

Additional information may be had from Hobey Thomas, extension 3-6657.

from the Recreation Office, Building 9704-2. A \$1 deposit is required for the key . . . and is returned when the key is brought back.

Y-12ers' Son Stumps 'What's My Line?' Experts With Lightning Bug Profession

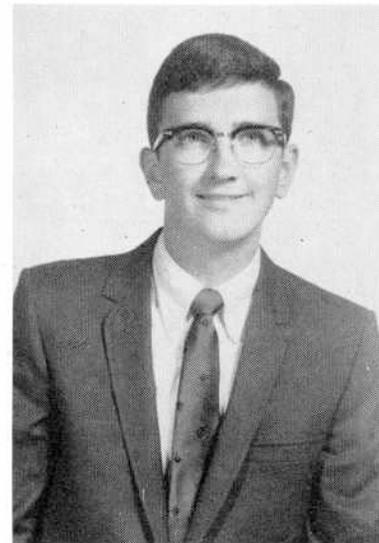
Stumping the experts on "What's My Line" Sunday, August 13, was a breeze for Dwight Sullivan. His occupation? . . . a student (junior) at the University of Tennessee. So, what's so unusual about that? Nothing. But Dwight also is a firefly collector! This is what caused the panel to lose the battle of wits.

Dwight and his fellow worker John Beadle Holt head up the Fireflies-for-Science Project in Oak Ridge. His appearance on the TV show was taped May 21, and came as a result of a letter sponsored by Mrs. John DePersio, 116 Orange Lane, Oak Ridge. The unusual summer occupation stumped the panel which consists of Phyllis Newman, Arlene Francis, Martin Gable, and Tony Randall. John Daley moderates the show, which is carried locally Sunday evenings over WBIR-TV, channel 10.

Dwight and John buy the fireflies at 35 cents a hundred for Johns Hopkins University, Baltimore, Maryland, which uses the insects for research on "cold light." Having collections in Oak Ridge, Clinton, Oliver Springs, Lenoir City and Norris this summer, the two young men have purchased over 724,000 insects for research.

The firefly season ended with a final collection at Dwight's house, 115 Pomona Road, August 12, topped by his winning appearance on "What's My Line?" Sunday, August 13.

Dwight is the son of W. H. Sullivan (his father retired in 1964) and Kathleen, in Y-12's Technical Library. Holt is the son of John C. Holt, a planner and estimator in Y-12.



Dwight Sullivan

Coley-Raper Cop HossShoe Crown

Y-12ers Coley and Raper took the first half of the Horseshoe League last week by defeating Helms-Lucke for the full count of nine. Winning eight it was Matheny-Miller over Hutto-Tillery.

Two matches were postponed and will be played this week.

Final 1st Half standings:

Team	W	L
Coley-Raper, Y-12	62	10
Durham-Harness, ORNL	51	12
Luckett-Barger, ORNL	44	19
Gray-Leonard, ORNL	39	24
Rein-Case, ORNL	36	27
Matheny-Miller, ORNL	32	40
Hutto-Tillery, ORNL	25	47
Helms-Lucke, Y-12	17	55
Kendig-Y-12-Zupan, ORNL	0	72

Tournament Set For Softballers

There will be a single-elimination tournament held next week for Softball players.

Beginning Monday, August 21, the Braves are pitted against the Pirates; the Eagles vs. the Flyers; and the K-25 Sports vs. K-25 Slugs.

On Tuesday, August 22, the Bat Boys face the Mets; the Loser of the Braves-Pirates game will face the Loser of the Eagles-Flyers duo; and the winners of these games will face each other in the final game.

On Wednesday, the K-25 Sports-K-25 Slugs winner will duel the Bat Boys-K-25 Mets winner, and the losers will face one another.

Finals and semi-finals are scheduled for Thursday, August 24.

DelGrande Stays Atop Tennis Heap

Ed DelGrande still commands the lead in the Y-12 Tennis League, after wins from Charley Jones (6-1, 6-2) and D. H. Gray (6-2, 6-3).

Other matches saw Campbell King defeat Gray 8-6, 6-2; and Jones 6-2, 6-3.

Jones downed Gray 6-3, 6-3, after losing the first match 6-4.

League standings follow:

Player	W	L
Ed Del Grande	3	0
Martin West	1	0
Campbell King	3	1
Don Legacy	1	1
Charles M. Jones	1	3
D. H. Gray	0	4

Tee-Off Time Application For Southwest Point (Kingston) Tourney

Saturday, August 26

Foursome

_____, Leader

Leader's office phone _____

Home phone _____

Tee-off Time Preferred _____

Fill out completely and return to the Recreation Office, Building 9704-2. Deadline for entering is 4:30 p.m. Wednesday, August 23. Tee-off times will be drawn the next day, Thursday, August 24, at 8:30 a.m.



UNION CARBIDE CORPORATION
 NUCLEAR DIVISION
 P. O. BOX Y, OAK RIDGE, TENNESSEE 37830

(RETURN REQUESTED)

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 Permit No. 71



WEDDINGS

CRICHTON—MORGAN

The marriage of Miss Frankie Ann Morgan and AT/1 Joseph Lee Crichton was solemnized Saturday, August 5, at the First Baptist Church Kingston. The 8 p.m. rites were conducted by the Reverend Fred Rudder.

The bride is the daughter of Mr. and Mrs. Frank Morgan, Kingston Heights, Kingston. Her father is in Y-12's Buildings, Grounds and Maintenance Shops. The groom is the son of Mr. and Mrs. Robert H. Crichton, Sabre Drive, Knoxville.

Given in marriage by her father, the bride wore a floor length gown with fitted sheath with a chantilly lace bodice with bell skirt of silk chiffon over organza. The neckline and skirt were accented with pearls, and the cathedral length veil, trimmed with pearls and sequins was held by a headpiece of organza orange blossoms with pearls.

Miss Vicki Jane Morgan was her sister's maid-of-honor. Other attendants were Margaret Jane Dunaway, Joyce Nichols, and Teresa Hodges, niece of the groom.

Alan Rudder, Chattanooga, served as best man and ushers were Ray Daily, Ted Dailey and Malan Bratcher, all of Kingston.

Mrs. Crichton is a graduate from Roane County High School and the Commercial College of Asheboro, North Carolina. The groom graduated from Roane High, and is with the U. S. Navy at Milton, Florida. He will enter the University of Tennessee in January to begin studies for the ministry.

A reception honored the couple immediately following the ceremony in the church fellowship hall.

The couple is at home temporarily in Milton, Florida.



Mrs. Joseph Lee Crichton

a foursome's tee-off time by next Wednesday, August 23. Drawings for times will be the next morning, and foursome leaders will be notified by telephone.

Make sure your application is in next week for the final golf battle of the year.

Keep your security slate clean.



Mr. and Mrs. Lawrence Preston Cullop

CULLOP—BENNINGHOFF

A double-ring ceremony Saturday, July 15, united Miss Carole Lee Benninghoff and Lawrence Preston Cullop in marriage. The ceremony, held at 7:30 p.m., was conducted by the Reverends Kyle Tomlinson, Macedonia Methodist Church, Knoxville and Floyd Davis, Kingston Methodist Church, officiating. The rites were held at the Kingston Methodist Church.

The bride is the daughter of Mr. and Mrs. Henry N. Benninghoff, 807 Sunset Drive, Kingston. Her father is in Y-12's Shift Superintendents Division. The groom is the son of Mr. and Mrs. Ernest Cullop, Arlington, Virginia.

Given in marriage by her father, Mrs. Cullop wore a white de-lustered satin gown with train. Her cathedral veil was held by a crown of rose petals and she carried white orchids, stephanotis and green and white caladium leaves.

Mrs. Robert Leffew was the bride's matron of honor and bridesmaids were Miss Sandra Caillouette, Mrs. James Phillips and Mrs. Ronald Wittingham.

The groom's attendants were his father, best man, and Henry N. Benninghoff Jr., brother of the bride, and Robert Leffew and Jerry Wright as ushers.

A reception honored the couple immediately after the ceremony at the church.

The bride is a graduate of Tennessee Technological University and Knoxville Business College; while the groom attended the University of Tennessee and Emory and Henry.

The couple is at home in Falls Church, Virginia.

Campers-Hikers Plan Week-End At Lake View

The Talahi Chapter of the National Campers and Hikers Association is planning a campout Saturday, August 19, at Lake View Park, near Rockwood. The cost for camping is \$2.50.

A covered dish pot luck supper is planned at the camp-grounds for Saturday night, so bring a big serving or servings of your best dish and join with the crowd.

Further information concerning the facilities at Lake View may be obtained from George Holt, extension 3-1105. He can also take your reservations for this week-end's frolic.

Tiller-Nelson Lead Melton Hill Golf

The Nelson-Tiller duo stands at the head of the Melton Hill Golf League, after Frank's sweeping victory last week over the Dill-Hopwood pair. The only other six-point victory saw Thompson-Rogers over Garber-Cadden.

Give five big points to Clabough-Nobles over Brown-Gresham and McGinnis-Burris over Hamby-Booher. Four points went to Winstead-Ferguson (Frank alone) over Morehead-Poly, Huffman-Hogg over Cofer-Grubb; Roberts-Arnold over Alvey-Gamble, and Boyd-Sise over Perry-Butler. The Henderson-Bryant and Wright-Butler tilt ended in a draw, both teams sharing three points.

Low scratch scores were carded by Don Booher, Howard Nobles and Bruce Hogg, all with 38. Nobles and Hogg logged 34 handicap scores; and Ed Sise turned in a 35. Booher and B. M. Burris registered a 36 each.

League standings follow:

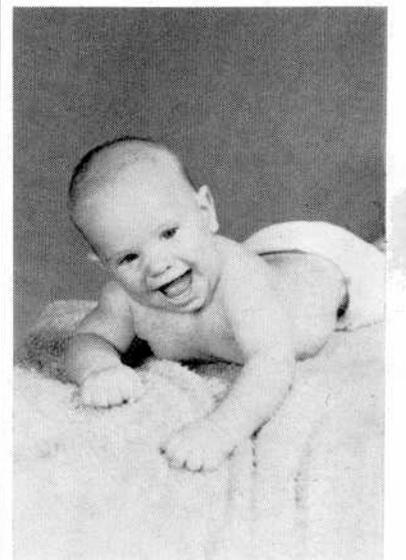
Team	W	L
Tiller-Nelson	11	1
Wright-Butler	9	3
Cofer-Grubb	8	4
Winstead-Ferguson	8	4
Henderson-Bryant	8	4
Hamby-Booher	7	5
Brown-Gresham	7	5
McGinnis-Burris	7	5
Thompson-Robers	7	5
Morehead-Poly	7	5
Clabough-Nobles	6	6
Alvey-Gamble	5	7
Huffman-Hogg	5	7
Roberts-Arnold	4	8
Boyd-Sise	4	8
Garber-Cadden	3	9
Perry-Butler	2	10
Dill-Hopwood	0	12

Time Capsule Control For Weeds, Insects

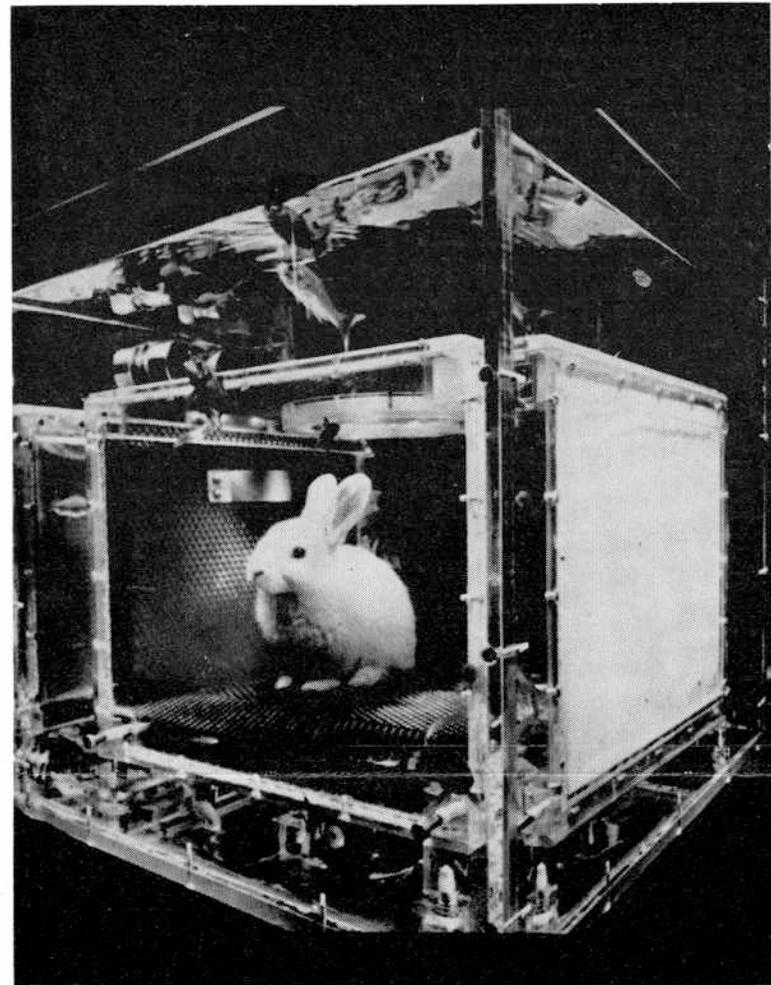
A new chemical granule which is a timed release carrier for pesticides has been developed.

Manufactured to release toxicants over a period of months, immediately, or anywhere in between, its creators describe the granule as the "missing link" in developing a one-shot pest-control program.

The producers look forward to the time when farmers and homeowners may be able to spread a mixture of granules — having different release times and carrying different selective pesticides — over croplands, lawns and gardens at the beginning of the season and thus solve weed, soil disease and insect problems for the entire year.



ROBERT ANTHONY YOUNGER, or "Tony," as he's called, recently visited his grandparents, Mr. and Mrs. W. H. Younger, Oliver Springs. Tony and his folks live at Cocoa, Florida, and the Younger grand-parent works as a painter in Y-12's Buildings, Grounds and Maintenance Shops.



AQUA-BUNNY RABBIT . . . this rabbit is breathing oxygen from the water in the tank surrounding him. Thanks to an artificial "gill" a synthetic membrane stretched across three sides of his underwater chamber. Oxygen comes in and carbon dioxide goes out. This and other devices for underseas exploration will be seen in "The 21st Century" telecast "Conquering the Sea," Sunday, August 20, at 6 p.m., EDT, in color over the CBS Television Network. The program is carried locally by WBIR-TV, Channel 10.

'Conquering The Sea' Shows Underwater Breathing On '21st Century' Sunday

The ocean's potential to generate power, its chemical, mineral and sea life resources, and meaning of the world of the future is reported on "The 21st Century" broadcasts, "Conquering the Sea," Sunday, August 20. The color telecast is carried locally at 6 p.m., EDT, on the CBS TV Network, WBIR-TV, Channel 10.

CBS News Correspondent Walter Cronkite is principal reporter for the series sponsored in the public interest by Union Carbide Corporation.

A new source of fresh water is proposed by Professor John Isaacs of the Scripps Institution of Oceanography of the University of California. His plan calls for the floating of polar icebergs to the shores of arid nations as a source of commercially competitive fresh water.

The harnessing of ocean currents to drive electrical generators is discussed by Edwin A. Link, Chief Marine Consultant to Ocean Systems, Inc., an affiliate of Union Carbide.

The untold riches of the world's oceans are estimated in terms of

billions of tons of gold, silver, and platinum and enough fish and plants to provide food for a world population five times larger than today's. The training of porpoises to work with men; underseas mining, fish herding, and plant harvesting; and oil well drilling are seen.

"Conquering the Sea" was written by Fred Warshofsky, series Science Editor. Burton Benjamin is Executive Producer, and Isaac Kleinerman, Producer.

Final Golf Tournament Set At Kingston Aug. 26

Ancient man once beat on the ground with a stick, yelling at the top of his voice. He called this warding off evil spirits. Today's man does the same thing . . . only he calls it golf.

The final tournament of the season is set for Saturday week, August 26, at the Southwest Point course, on a finger of lake near Kingston. Last month's golfers enjoyed the picturesque course.

Applicants must have filed for