

NUCLEAR DIVISION NEWS



A Newspaper for Employees of the Nuclear Division, Union Carbide Corporation

Vol. 2 — No. 9

OAK RIDGE, TENNESSEE

Thursday, May 6, 1971



SOUVENIR OF VISIT—Chairman Andronik M. Petrosyants, of the Soviet State Committee on Atomic Energy, presents Roger F. Hibbs, president of the Nuclear Division, with a souvenir booklet during a recent visit to Oak Ridge. Petrosyants headed a nine-member Russian delegation which visited Oak Ridge as part of a tour of Atomic Energy Commission facilities throughout the nation. In the center is Robert Lavroff, U. S. State Department interpreter.

George H. Montillon Dies Here; Was Uranium Processing Pioneer

George H. Montillon, widely known consultant with the Nuclear Division, died April 27 at the Oak Ridge Hospital, where he had been a patient since April 21.

Dr. Montillon was associated with Union Carbide Corporation in Oak Ridge for almost 20 years. As a senior chemical engineer at the Oak Ridge Gaseous Diffusion Plant, he devoted much of his effort to the development and production problems associated with uranium processing.

Dr. Montillon made outstanding contributions to the improvement of uranium feed plant processes and to the improvement of the fluorine cell which is now used throughout the uranium processing industry.

TVA Consultant

A native of Cedar Rapids, Iowa, he received his bachelor's degree in mechanical engineering from Iowa State College in 1912, and was awarded a master's degree in chemical engineering from the same college. He received his Ph.D. from the University of Michigan, where he majored in chemical engineering, in 1926.

He was an instructor at the University of Wisconsin before being appointed an assistant professor of chemical engineering at the University of Minnesota. He was named an associate professor in 1927 and a professor in 1933. He served in this position until 1941 when he was appointed as a consultant to TVA. He served as a research specialist in minerals, food, and wood specialization. He served with TVA until joining Union Carbide in 1949. Following his retirement at age 65, he was



Dr. George H. Montillon

a consultant with the Nuclear Division facilities for several years.

Numerous Honors

Dr. Montillon was a member of numerous honor societies including Alpha Chi Sigma, Sigma Xi, Tau Beta Pi, Phi Lambda Upsilon, Phi Kappa Phi, Iota Alpha and Gamma Alpha.

Among his professional memberships were the American Chemical Society, American Institute of Chemical Engineers, Electrochemical Society and the American Society of Engineering Education. He was the author of numerous technical publications.

Surviving are his wife, the former Corene Aldrich; two sons, Henry, who lives in St. Paul, Minn., with his wife and two children, and George D., who is married and lives in Cincinnati.

U. S. Savings Bond Drive Opens May 1

"Operation Savings Bonds" went into full swing on Monday at all Nuclear Division facilities. The goal of the month-long campaign is to achieve 50 percent participation in payroll savings by Nuclear Division employees.

W. E. Williams, general chairman for the drive, said that last year Division employees gave "tremendous support" to the U. S. Savings Bond Drive. "More than 2,300 employees signed up for saving bonds under the payroll savings plan," Williams explained.

When filling out the authorization card, employees must indicate the dollar value of the bonds they wish to purchase. While bonds come in various denominations, the most popular have been the \$25, \$50 and \$100 bonds.

Williams explained that employees who are already members of the payroll savings plan, but wish to change the amount they are saving, may do so by also filling out an authorization card.

Pointing out that U. S. Savings Bonds are an excellent investment, Williams said that interest rates have increased seven times since the first Series E Bonds were sold in 1941.

Benefit Report Delayed

The individual "Report of Benefits," originally scheduled to be mailed to employees on May 1, has been delayed.

The report, which calculates the values of the various benefits to Union Carbide employees on an individual basis, should be received by the latter part of May.

Sales Up 3 Percent

'Union Carbide To Benefit In Economy Pickup,' Wilson

Union Carbide Corporation's earnings in the first quarter of 1971 showed an improvement over last year's first quarter, stockholders were told at the annual meeting recently. Chairman of the Board Birny Mason, Jr., presided at the meeting, which was held in the corporation's worldwide headquarters building in New York. President F. Perry Wilson commented briefly on the corporation's performance and then reviewed some of its programs for environmental control.

Earnings in the first period amounted to \$43.7 million, or 72 cents a share. This is three percent above the \$42.6 million, or 70 cents a share, earned in the corresponding period of 1970, and a gain of 22 percent over last year's fourth quarter. In commenting on the results, Wilson said, "This result is somewhat better than we had anticipated and is due primarily to good operations in March, particularly in chemicals and plastics and in our international business."

Upward Trend Anticipated

First-quarter worldwide sales were \$748.1 million, up three percent from the 1970 figure of \$725.9 million. International sales showed a strong gain of 15 percent over last year's first quarter, although domestic sales ran two percent below the 1970 level. "Although there have been a few bright spots, Wilson said, "we have yet to see any real strength in the U. S. economy." Wilson commented that chemicals and plastics sales were off more than the domestic average, whereas sales of Union Carbide's consumer products group have been running well ahead of last year.

In speaking of the outlook, Wilson said that, provided the domestic economy improves, he expected an upward trend in sales as the year goes on. He noted that Union Carbide had overcome most of its plant operating problems of recent years and was therefore in good shape to benefit from any business pickup. He indicated that with an improved business climate, Union Carbide could expect a higher volume of business and better prices as well as more efficient utilization of capacity. All of these factors, Wilson said, should result in improved earnings for the year.

Stressing the changing nature of the chemical industry, President Wilson pointed out that chemical companies appear to be concentrating on what they can do best, rather than expanding in every product line, a trend that should lead to a more viable industry with better profits for its stockholders.

Changing Conditions Noted

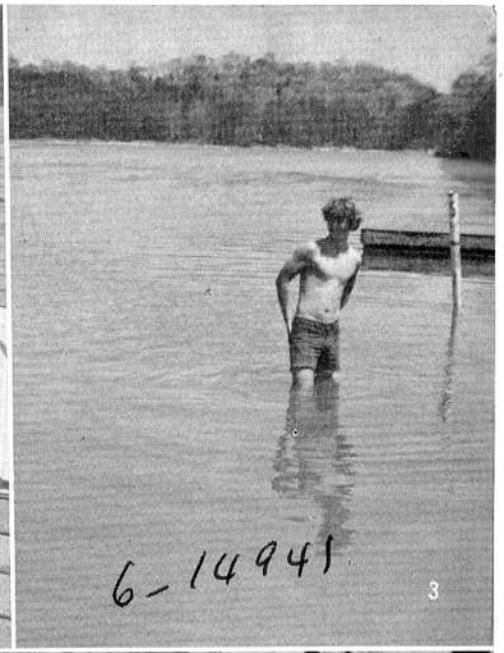
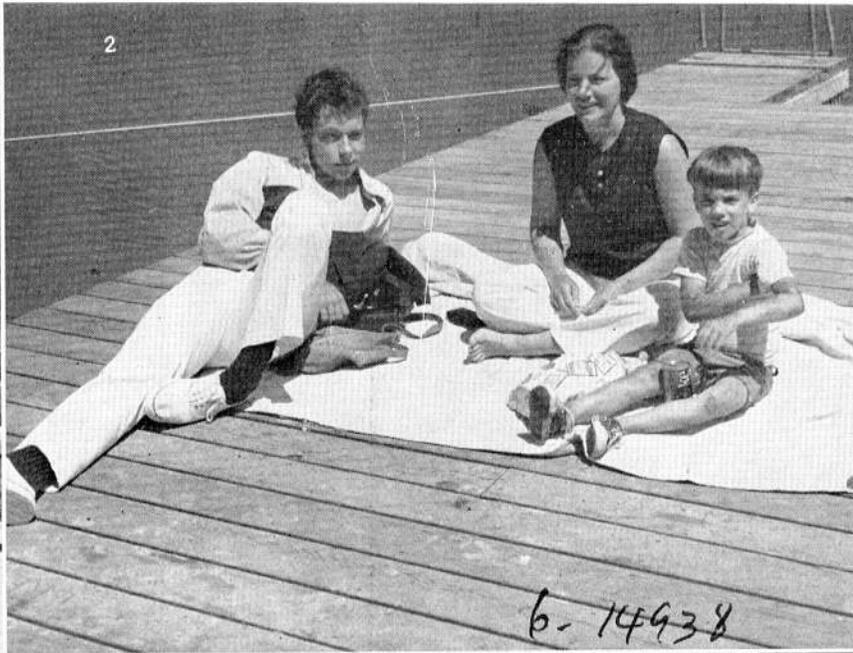
Stockholders were told that much of the criticism appearing in the press regarding Union Carbide's pollution-abatement programs has been the result of misunderstanding and misrepresentation not only of the corporation's intentions, but also of the problems involved in correcting conditions at its plants. "It would certainly not be good public relations," Wilson pointed out, "or good for profits either, to deliberately conduct our activities in a way that would incur public and governmental ill will, and I think a little thought should make this obvious." He further stated that the root of the problem lies in the fact that conditions have changed very rapidly. Plant operations considered acceptable by the public only a few years ago have suddenly become unacceptable.

Wilson made specific reference to programs at three Union Carbide plant locations: Marietta, Ohio, and Alloy and Anmoore, W. Va. The first two produce ferroalloys and the third, carbon products. Government authorities, Wilson pointed out, have set up complex timetables for stepwise reduction of emissions at these locations. Because of improvements already made, all are currently in compliance with recommended time schedules.

Coal Situation Eases

Speaking particularly about the complex problems existing at the coal-burning power station furnishing electricity for the Marietta alloy plant, Wilson described the plant as being large enough to supply the residential lighting requirements of a city the size of Cleveland. He said that in 1955 boilers in this power plant were equipped with electrostatic precipitators in an effort to control emissions. A major diffi-

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Park Offers Outdoor Life For Everyone

By James A. Young

If Spring fever has held you captive during these past few days, you might try this mental exercise. Try imagining what's going on over on Melton Hill Lake at the beautiful Clark Center Recreation Park.

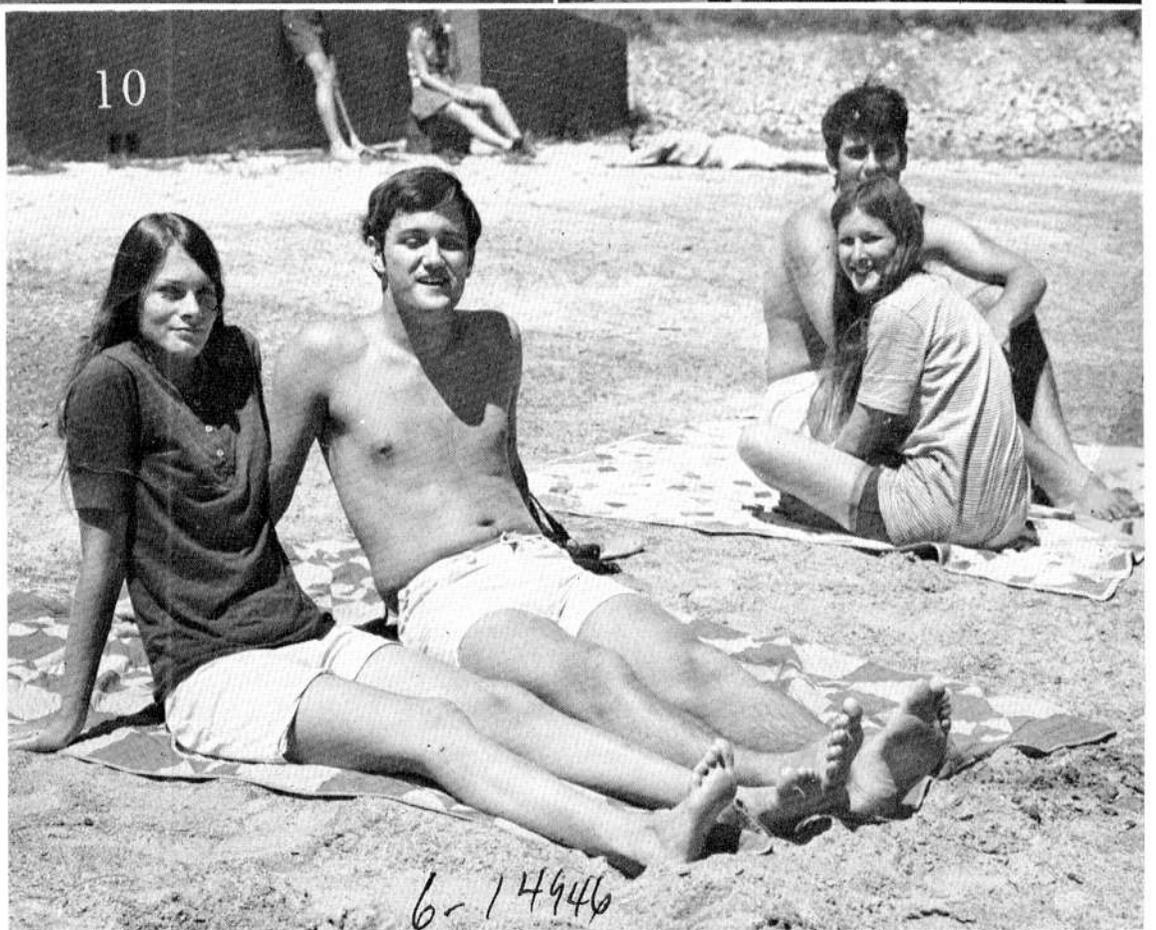
Now there's something that will snap you out of your lethargy! Rather than play the mental tricks, we grabbed a photographer recently and charged down the black topped road (alongside the University of Tennessee Agricultural Experimental Station) and topped out at the lakeside park, reserved for the exclusive use of Union Carbide employees.

Guard O. L. Tidwell pleasantly greeted us at the entrance. He's there to check cars to see that they are properly registered with the Recreation Departments (Do you have your decal which authorizes you to bring an auto into the park? They are simple to obtain. Just go by your Recreation

SPRING COMES—Spring has come at last to the Clark Center Recreation Park. In photo 1, Mike Fous, left, and Mike Ferguson embark from their car. In 2, Shane Buck, Donna Sellars and Scott Johnston enjoy the sun on the canoe ramp. 3 shows Tim Craven gingerly testing the cool water. 4 pictures a lone boater on the lake. 5 frames several of the picnic tables through a dogwood tree in full bloom. 6 sees O. L. Tidwell, guard at the park, checking out Dave Mitchell and his guests as they enter the park. 7 is a still life of the quiet waters of Melton Hill Lake. 8 shows Jim Wininger, ORGDP, launching his boat to cast a few lines. David Mitchell, ORNL employee, left to right, and Bobby Denson and Jimmy Crawley finish a picnic lunch in photograph 9. In 10 Amy McFadden, Mike Ferguson, left, and Barbara Adams and Mike Foust enjoy some sunshine on the beach. No lifeguard is available yet at the swimming area. Come May 30, there will be, however.

office with your license plate number and sign up for one.) Tidwell has been retired almost a year from Oak Ridge National Laboratory and works at the park during the summer months. Bill Davis, recently retired from Y-12; and L. B. Tribble, another ORNL retiree, also serve on the staff at the park.

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Early Spring finds many more Y-12ers marking important milestones with Union Carbide Corporation. Congratulations.

25 YEARS

- James A. McLain**, Utilities Administration, May 1.
- Henry C. East**, Materials Testing Support, May 3.
- Vernon O. Messenger**, Research Services, May 4.
- Hugh Barnette**, Building Services, May 6.
- Herman G. P. Snyder**, Superintendents Division, May 6.
- Clyde T. Oglesby**, Buildings, Grounds and Maintenance Shops, May 7.
- Harry G. King, Jr.**, Laboratory Development, May 8.

20 YEARS

- Coyal F. Fuqua**, Process Maintenance, May 1.
- Clark L. Newman, Jr.**, General Field Shops, May 1.
- James R. Donahue**, Casting Department, May 1.
- Robert L. Ludwig**, Metallurgical Development, May 1.
- Roger P. Brotherton**, Beta Two Chemistry, May 1.
- William T. Coward**, Research Services, May 2.
- Stanley E. Justice**, Casting Department, May 2.
- Floyd D. Bradburn**, Buildings, Grounds and Maintenance Shops, May 3.
- Earl A. Crow, Jr.**, Electrical Engineering, May 4.
- Edward Hensley**, Area Five Maintenance, May 7.
- Floyd A. Higginbotham**, General Machine Shop, May 7.
- Clarence R. Bolt**, Area Five Maintenance, May 7.
- James E. Thompson, Jr.**, Alpha Five Processing, May 7.
- Theira J. Flood**, Materials Engineering Development, May 7.
- David M. Lewis**, Research Services, May 7.
- Steve E. Pelizzari**, Assembly Operations, May 8.
- Auburn D. Casey**, Electrical and Electronics, May 9.
- William H. Stanton, Jr.**, Safety Department, May 9.
- Keith Eastridge**, Research Services, May 10.
- Hubert F. Dick**, Dimensional Inspection, May 11.
- Charles M. Knowles**, Materials Testing Support, May 14.
- Judson E. Temple**, Chemical Services, May 14.
- Hardin S. Lane**, Alpha Five Processing, May 14.
- Denson Lay**, Buildings, Grounds and Maintenance Shops, May 14.

15 YEARS

- James E. Pickell**, Dispatching Department, May 3.
- Peggy L. May**, Benefit Plans, May 7.
- Norman E. Hoffman**, Beta Four Forming, May 9.
- David M. Finger**, Dispatching Department, May 11.
- Robert E. Watkins**, M-Wing Shop, May 12.
- Howard R. Tapp**, Utilities Administration, May 13.
- George F. Manning**, General Machine Shop, May 14.



HEALTHY SAFETY RECORD—Members of the Maintenance Division who have contributed greatly to the division's sterling safety record include the above representatives. In the front row, from left, are Miles Danby, T. W. Noe, C. R. Williams, Frank Marlin, B. R. Kitts, G. M. Simcox, J. W.

Ebert, superintendent; Alonzo Mills, Dan Stroud, John Harding and B. I. V. Bailey, Safety Department. In the second row are Bill Coggins, L. R. Bledsoe, John Young, George Oliphant, Bill Heckert, C. A. Scarborough, W. Watson, Dave Jennings and Don Hill.

Y-12 Paper Given at Philadelphia Meet



Abbatiello Williams

Charles H. Thompson, Fabrication Systems Development, chaired a session at the Society of Manufacturing Engineers' International Conference in Philadelphia, Pa., April 26-30.

The session, consisting of papers dealing with adaptive control machining, included a report authored by Y-12's Leonard A. Abbatiello, Thompson and Roy L. Williams. The report, entitled "Machining Optimization," announced results of a survey sponsored by Y-12 and conducted in 1970 by an independent research firm to collect and analyze all available information relating to adaptive control of machine tools. Adaptive control refers to any system which enables a machine tool to monitor its own performance and make continual adjustments in the machining process to approach an optimum condition.

Machine tool engineers at Y-12 and throughout the nation are considering adaptive control systems to reduce costs through decreased machining time and to improve dimensional and surface quality.

Y-12's Maintenance Division Adds Considerably to Plant's Safety!

Editor's Note: The Maintenance Division in Y-12 has contributed greatly to the safety factor of the overall operations in the plant. Following are laudatory remarks, written in the Safety Department, relative to Maintenance and their personnel, and how the remarkable record has been achieved.

The accident prevention efforts of the Y-12 Maintenance Division have paid handsome dividends over the past several years. Perhaps the most outstanding accomplishment resulting from these efforts was the attainment of 7,000,000 disabling accident-free man-hours on February 16, 1971. This is the best record ever achieved by a major Operating or Maintenance Division since the Y-12 Plant has been in existence. The best previous record was achieved by the old Mechanical Operations Division in the late 50's when their string of man-hours was broken at 6,985,577. (NOTE: On March 22, 1971, the Division had operated three years without a disabling injury).

Interest, Enthusiasm

The pleasure derived from desirable accomplishments such as this in accident prevention work is always marred by the fact that some people continue to be hurt. However, when fewer accidents do occur and injuries are reduced, it is gratifying to all those who participated or contributed in some way to the Safety Program. This is why the employees and supervision of the Maintenance Division are so extremely proud of this recent achievement.

It would be rather difficult to single out any particular factor that contributed more than any other in achieving this record. However, it is pretty evident that the active interest and enthusiasm shown by Maintenance personnel toward their Divisional Safety Program has been responsible for much of the success in safety enjoyed by this group.

Effort Pin Pointed

Furthermore, the supervisory

leadership in the Division has not permitted the progressive improvements in safety performance to lull their people into a state of complacency. It is obvious from their action that the employees in the Division have developed within themselves a feeling of obligation and responsibility toward safety and the results are fewer accidents and injuries.

Perhaps one accident prevention technique used by the Division that is worthy of mention and one that has contributed to the reduction of injuries is the injury audit process. By keeping close tabs on the types of injuries that occur most frequently and the parts of the body affected, supervisory personnel are kept aware of current trends and are able to redirect attention to the most prevalent problems. For example, if there is a sudden increase in head injuries, a prompt intensified campaign is started to combat this type of injury. This campaign includes, among other things, a lot of publicity regarding the causes of these accidents and corrective action to be taken to prevent recurrence. This technique has proven to be helpful in reducing injuries in the Division.

Greater Goals

Generally, the successful safety program of the Maintenance Division is a result of the basic, good safety attitude of the people and the establishment of certain tools to implement the Safety Program. This includes the very interesting and motivating monthly safety meetings, the informative Monday morning safety meetings, the accident investigation committees, the audit and inspection teams, and the formal and informal training

Y-12 Technical Papers Listed

Periodically, the Nuclear Division News will report a listing of unclassified technical documents recently published by Nuclear Division installations. Following is a list of Oak Ridge Y-12 Plant documents published in 1971 which are publicly available through the National Technical Information Services in Washington, D. C. They are also available to Nuclear Division personnel upon request to Y-12 Central Files, Building 9711-5.

Y-1725, "Preparation of Control Tape for an R-O Inspection Machine," C. W. Wilson and W. R. Hensley.

Y-1744, "Automatic Sample Changer for the Beryllium Analyzer," C. A. Keinberger and J. D. Caylor.

Y-1748, "A Remote Data Station Interface to the Production Control Computer," G. L. Bowers, D. W. Carver, C. M. Davenport, J. P. Falcon and A. E. Stephens.

Y-1752, "Observation of Ablation Behavior of Fibrous Carbon-Carbon Composites," J. L. Cook and J. D. Theis.

Y-1757, "Time-Resolved Spark-Source Mass Spectrometer; the Effect of Spark Duration on Relative Sensitivity Factors, Ion Intensity, and Precision of Analysis," J. C. Franklin.

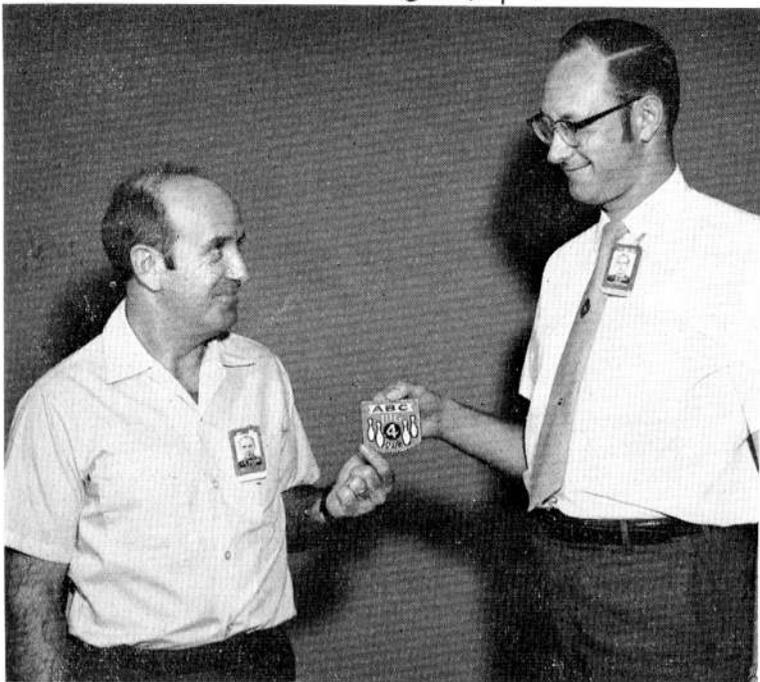
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sessions for Maintenance personnel.

Over the years the Division has developed the philosophy that the Division will not be completely satisfied as long as anyone is getting hurt. They also realize that further improvement will be more difficult. However, with good job planning and complete safety awareness, it is the Division's intention of achieving even greater safety goals in the future.

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BIG SPLIT CONVERSION—Loyd Vineyard, left, did the impossible back in January, bowling in the Classic League. He picked up the 'big split,' or the 'big four,' the impossible four-six, seven-ten. He receives his American Bowling Congress patch, above, from Jack Halburnt, captain of the Rojo's team.

Swingsters Win Classic Roll-Off; Downing Markers by 8-Pin Margin

The Classic League had a thriller for its roll-off last week! Only eight pins separated the big teams, who went into the foray with two

pins dividing them handicap-wise. The competition fell to the Swingsters, who won the last half, and the Markers, victors in the big league's first half.

Rollmasters Are C League Champions

C League bowlers saw the Rollmasters crowned recently as league champions, after their roll-off tilt with the Sunflowers. The George Cantrell, Frank Winstead, George Baily, Jack Gamble and Bill Ladd team downed the Sunflowers by a margin of 22 small pins.

The teams tied for the first game . . . 912 pins each. The second game went to the Swingsters by 34 pins . . . then came the big clash in game three. The Swingsters stayed in front through six frames, then the Markers moved ahead, then the two tied again. The big tenth frame decided it all. The pin fall totalled out with only eight pins separating them!

Joe Morgan, Swingsters, stood highest with a single game, a 220. Tom Hillard, Markers, posted a 579 series.

The Swingsters consist of Del Ducay, Daye Phillipi, George Cantrell, Dan Kessell and Morgan . . . the Markers are made up of Tudor Boyd, Frank Tuck, Don Troutman, Hillard and Harold Zang.

The 16-team league is Y-12's oldest bowling league.

Ladd's 222 scratch score in game number two was the high one of the night . . . his series of 592 was also high.

On the Sunflowers' squad were Ernie Hawk, George Tidwell, J. W. "Red" Halsey, Jack Lovegrove and Charlie Baxter. The 'Flowers had won round one in the C race, while the Rollmasters had rolled best in the season's second half.

The Sunflowers took game number one with a rather substantial margin . . . 935 to 893. Then the 'Masters took game two 968 to 920 . . . and game three 1002 to 936 . . . for a total pin count of 2863 to the 'Flowers' 2841.

C Leaguers, all 12 teams, will return to the alleys come September.

Latecomers Ease Into Lead As Starlite League Rolls

The Latecomers are the latest contenders for the crown in the Carbide Starlite League, as this continues as the only remaining league among Carbide keglers. The 'Comers took the full count from the Splitters last week, and the Mix-Ups moved up with a sweep from the Rollers.

J. Woodard rolled a 241 last week . . . B. Weaver a 234 the week before that.

League standings follow:

Team	W	L
Latecomers	26	13
Mix-Ups	25	14
Splitters	25	14
Pin Boys	22	17
Woodpeckers	21	18
Rollers	20	19
Raiders	19	20
Wildcats	18	21
Marauders	10	29
Comets	9	30

Wyatt, Singhal Leaders In Table Tennis League

After seven weeks of competition Loyd Wyatt leads the Table Tennis League with an 18-win-three-loss record. He recently downed Bill Motley for three; Brian McGregor for two.

Herb Mook swamped Roy Huddleston for three, Joe Rich for two games.

X League standings:

Player	W	L
Loyd Wyatt, Y-12	18	3
Herb Mook, ORNL	16	5
Jerry Keyes, Y-12	11	10
Brian McGregor, ORNL	11	10
Joe Rich, ORNL	9	12
Bob Durham, ORNL	8	13
Roy Huddleston, Y-12	7	14
Bill Motley, Y-12	4	17

In the Y League Nasib Singhal defeated John Michel and Al King, both for the full count, to lead with an 18-win-three-loss record also.

Ralph Einstein clipped Michel for three, and also took three from King.

X League standings:

Player	W	L
Nasib Singhal, ORNL	13	3
Ralph Einstein, ORNL	16	5
Gordon Brewer, Y-12	15	6
Jerry Goldstein, ORNL	15	6
Al King, Y-12	9	12
John Michel, ORNL	8	13
Paul Hicks, Y-12	3	18
James Anderson, Y-12	0	21

Technical Papers

(Continued from Page 3)

Y-1782, "Cubic Interpolation for Numerically Controlled Machines," R. V. Miskell.

Y-1787, "Eddy Current Measurements with a Coil Encircling a Two-Conductor Rod," F. D. Mundt.

Y-1788, "The Mechanical Behavior of a Uniaxially Aligned Tungsten Wire-Reinforced Lead Composite System," E. L. Court-right, Jr.

Y-DA-4098, "Investigation of a Remote, Temperature Sensor for Cutting Tools," J. D. Hensley and R. L. Williams.

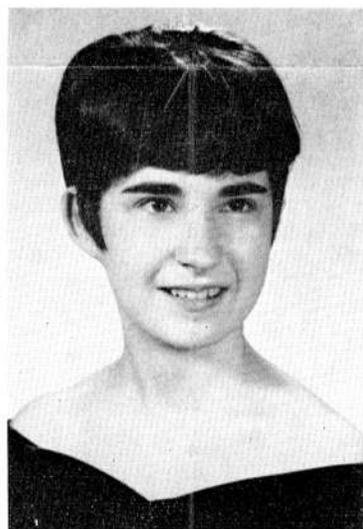
Y-DR-41, "Use of 252-Californium as a Randomly Pulsed Neutron Source for Prompt Neutron Decay Measurements," J. T. Mihalcz.

Y-DR-44, "Static and Dynamic Experiments with a Repetitively Pulsed Booster," J. T. Mihalcz.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated 90 Days Or 3,544,000 Man-Hours (Unofficial Estimate) Through May 2 Without A Disabling Injury SAFETY AT HOME, AT WORK, AT PLAY

Daughter Selected As Youth Delegate



Angela Ann Cross

Angela Ann Cross, daughter of Mr. and Mrs. Billy G. Cross, Route 2, Powell, has been selected as a delegate to the president's conference on youth.

Miss Cross was recommended as a delegate by Mrs. Margaret Anderson, guidance counselor at Clinton Senior High School.

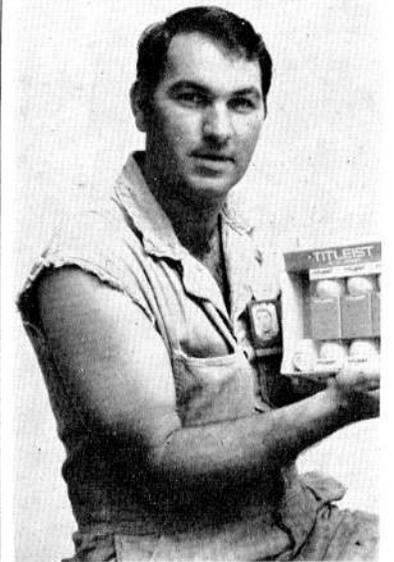
As a delegate to the youth conference, which was held April 18-22 at Estes Park, Col., Miss Cross participated in discussions on the various task forces set up for the conference. Her main discussion focused in the area of environmental problems.

Miss Cross, a senior at Clinton, has a B plus average and ranks 12th in her class. She is president of the Junior Red Cross, a member of the concert choir, the National Honor Society, Youth for Christ, and the Pep Club. During her spare time, she works as a volunteer nurse's aid at St. Mary's Hospital. She has been accepted as a freshman student at St. Mary's Hospital School of Nursing and will begin her training in September.

Cross is employed in Y-12's Process Maintenance.

Bob Carmack Cards 4-under-Par Score To Capture Wallace Hills Links Race

Polaroid



Bob Carmack

Y-12 greensmen got a new hero last weekend, as Bob Carmack fired a four-under-par 68 score to take the Wallace Hills tournament hands down. His score was the only par fired the whole day, as 187 golfers took to the tees on the Maryville course.

Other winners in the first division included Carl Dorr, with a 73 scratch score; Everett Rogers, 74; and Bill Mee and Bill Grubb, each with 76.

Handicap lows went to Jim Pugh, 67; J. D. Robertson, 70; D. E. Littleton and Jim Kinlaw, each with 72.

Charlie Baxter and Jim Vance counted 15 pars.

SECOND FLIGHT

Sewell Brown and D. G. Lincoln tied for honors in the second flight, scoring 78 each. They were followed by R. C. McIntosh, 83; and Gordon Hill, 84.

Handicap laurels were gleaned by Jack Smiddy, 66; Kenny Cook, 68; Bob Bowers, 69; and Jim White, 73.

Most pars went to Ed Sise and Bob Angel, each with eight.

THIRD FLIGHT

Buel St. John joined the magic circle of winners to take the third flight with a 78. Dan Morgan carded an 86; while C. H. Crockett followed with 87; and I. W. Jeter joined the circle with a 92.

Handicap honors went to Buddy Tharp, 67; J. R. Milligan, 70; Don Dowry, 74; and W. J. Barker, 76.

C. R. McGinnis and Lance French counted six pars.

FOURTH FLIGHT

Clyde Davenport finished 18 holes with a 91 score; followed by Harry Hays, 95; Jim Griffin, 98; and Brad Napier, 99.

In handicap-counting it was Bo Glover and Bill Fletcher, each with 71; H. P. Prewett, 72; and Dick Huber with 73.

J. L. Brown carded three pars, and Jim Lawhorn, John Rhea, Mike Scarbrough, Lee Spencer, Gary Morris, John Kennedy, J. D. Hensley, Lawrence Lock, Jack Halburnt and Nike Jesson all scored two each.

The Recreation Department has announced that Southwest Point has carts available for the May 22 tournament, but will not take reservations for them until after tee-off times have been given. So, after you get your tee-off time,

to obtain carts call Kingston 376-9138 to reserve one. Recreation will not handle cart reservations.



Ride wanted from Wolf Valley Baptist Church vicinity to North Portal, H Shift. Charles Brazda, plant phone 3-5331, home phone Clinton 457-3271.

Ride wanted from vicinity of Pallas Road, Oak Ridge, to East Portal, straight day. J. M. Johnson, plant phone 3-5981, home phone Oak Ridge 483-1448.

Riders wanted or will join car pool from Rocky Hill section, Knoxville, to any portal, via Lovell Road, straight day. Jack Stephens, plant phone 3-5465, home phone Knoxville 588-6610.

IN APPRECIATION

Albert and Doris McKamey wish to thank Y-12ers for the many acts of kindness recently. The McKameys (Doris is in Facilities Engineering) lost their home recently in a fire. "We really can't say how much we appreciate all that was done," Mrs. McKamey said.

Tee-Off Time Application For Southwest Point Golf Tournament

Kingston, Tenn.

Saturday, May 22

Foursome

_____, Leader

Leader's office phone _____

Home phone _____

Tee-off Time Preferred _____

Fill out completely and return to the Recreation Office, Building 9711-5. Deadline for entering is 4:30 p.m. Wednesday, May 19. Tee-off times will be drawn the next day, Thursday, May 20 at 8 a.m.

THE CARBIDE COURIER

Thursday, May 6, 1971

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Fabrication and Maintenance Division Cost Reduction Program Expansion Set

The Fabrication and Maintenance Division has expanded its approach to the Company's cost savings program and a cost reduction board has been appointed to represent all areas of the division. Each board member has set goals and is responsible for the cost reduction activity in his particular area. The combined group goals for the division total an impressive \$450,000 for the calendar year 1971.

The appointees are: B. H. Bramblett, F. W. Calhoun, S. F. Finch, C. L. Gritzner, N. N. Landay, R. G. Longmire, W. H. Luckett, M. C. Martin, J. R. Quarles,

B. J. Schaefer, W. W. Smith, L. A. Studinger (chairman), M. B. Tate, H. E. Williams.

One of the board's major targets is to recognize those persons who contribute to the program and give proper recognition to those who are generating cost saving ideas.

The board meets the middle of each month to conduct its business. As time will permit, as many persons as possible are invited to attend as guest speakers and present to the group in an informal manner their individual ideas which have resulted in a cost saving.

The list of participants reported at the April 14, 1971, session is as follows: C. R. Abercrombie, J. H. Battle, L. D. Blakeney, Operations Division, J. G. Brown, H. W. Bullock, F. W. Calhoun, B. P. Campbell, O. H. Dillon, R. H. Duncan, H. M. Finch, Jr., J. D. Forsythe, Jr., B. F. Giles, J. E. Heiskell, E. Hembree, J. L. Howard, G. H. Hudson, R. D. Hughes.

C. Y. Jacobs, J. L. Keller, Gaseous Diffusion Development Division, T. B. Keyton, M. B. Phillips, J. G. Robinson, H. T. Sumner, L. D. Sweeden, P. D. Thomas, J. K. Upchurch, H. R. Walls, W. J. Weeks, R. A. Whittaker, J. B. Wilhoit, C. E. Williams, E. M. Zukowski.

Special guest speakers of the April Session were: J. L. Howard, Instrument Mechanic, G. H. Hudson, Electrical Mechanic, P. D. Thomas, Planner and Estimator.

20 Years' Service

B. B. Martin	4-02-51
W. P. McEvoy	4-02-51
M. H. Thornton	4-02-51
W. H. Hildebrand	4-02-51
E. L. Jenkins	4-02-51
J. W. Hill	4-09-51
G. C. Melton	4-09-51
J. L. Elliott	4-10-51
M. H. Cuthbert	4-12-51
R. E. Cooper	4-12-51
F. Madison	4-16-51
H. C. Wright	4-18-51
W. P. Rogers	4-26-51
L. W. France	4-30-51
R. L. McLemore	4-30-51
A. L. Cupp	4-30-51
J. W. Stapp	4-30-51
J. A. Hall	4-30-51
H. M. Herrell	4-30-51
P. H. Riddle	4-30-51

LOSE SOMETHING?

The Guard Department is the right place to inquire about articles lost in the plant. At present, the Guard Department has a ladies change purse with a small amount of money in it that was picked up around Portal 4 and a ladies birthstone ring found in the K-1401 Canteen. Owners of these items may obtain them by calling the Guard Department, phone 3-3256 and describing the items.



SAVINGS BOND COORDINATORS—ORGDP Savings Bond Drive coordinators are responsible, in their respective divisions, for the current drive to enroll 50 percent of all employees in the Payroll Deduction Plan for the purchase of U. S. Savings bonds. From the left, seated, are Lee Porter, F. H. Anderson, K. W. Sommerfeld, drive chairman; W. H. Luckett and W. J. Grunst. Standing are J. W. McKeeber, C. H. McIntyre, J. D. Hoogesteger, J. K. Lowery, J. S. Stephens and E. B. Harris.



Ronald F. Gibson

M.S. Degree from UT Awarded to Gibson

Ronald F. Gibson (Mechanical Development Department, Separations Systems Division) received a M.S. degree in mechanical engineering from The University of Tennessee on March 17. The title of his thesis is "The Design and Testing of a Crash Recorder for Automotive Vehicles." The purpose of the investigation was to design, build, and evaluate an inexpensive automotive crash recorder, using specifications recently suggested by the U. S. Department of Transportation. The design of the recorder, which measures deceleration and velocity during a significant collision, was based on a parametric computer study. The device was evaluated by crash simulation testing.

Gibson was born in Macon, Ga., and graduated from high school in Tallahassee, Fla. He attended Florida State University and was graduated from the University of Florida with a B.S. degree in mechanical engineering in 1965. Since then he has been employed as a development engineer in the Separations Systems Division, ORGDP. He entered UT in 1965, taking evening courses and using Carbide's educational assistance plan.

Gibson is married to the former Mary Anne Schmidt and they have one daughter, Tracy. They live at 112 Ashland Lane, Oak Ridge.

Two Smiths Retire Here During May

Two employees, both named Smith, entered retirement status the first part of this month. James Smith of the Janitors Department, Fabrication and Maintenance, terminated on May 4. Raymond Clifford Smith, a physicist in the Instrumentation and Quality Assurance Development Department, Gaseous Diffusion Development Division, elected early retirement effective May 1.



J. Smith



R. C. Smith

James Smith

James Smith has been employed here since April, 1952. Before coming with us he had worked eight years for the Oak Ridge Hospital, one year for J. A. Jones Construction Company and two years for TVA.

Smith is a lifelong resident of Loudon. He is married to the former Jessie Lee Hardin, also of Loudon. The Smiths have two sons, Robert Lewis and Rufus Herman, both at home. They reside on Route 4, Needmore Road in Loudon.

R. C. Smith

Smith has been a physicist with us since September 1945. Before joining us he was with Ferrelve for a short time on the S-50 Project here in Oak Ridge. Before that he worked two years in Civil Ser-

Needed: Clean Air; Facts About Pollution

Dirty air is shortening our lives! Air pollution is more than a costly nuisance—with every breath we take, polluted air contributes to **respiratory disease and premature death.**

Air pollution is a major factor in emphysema, **today's fastest growing cause of death**—in 1962, 12,000 deaths and 12,000 permanently disabled. Emphysema is a progressive breakdown of air sacs in lungs, caused by chronic infection or irritation of bronchial tubes.

Air pollution and smoking are chief causes of chronic bronchitis which affects about 1 out of 5 men between 40 and 60. In Britain it causes 10% of all deaths and 10% of industrial absences.

Lung cancer is found twice as often in air polluted cities as in rural areas. Norway, with low air pollution, has half the lung cancer of the U. S. Tests on mice confirm relationship between dirty air and lung cancer.

Air pollution contributes to common colds, pneumonia and bronchial asthma.

Here are some symptoms resulting from polluted air—headaches, dizziness, coughing, shortness of breath, sore throat, eyes irritated, nasal discharge, nausea, vomiting and chest pains.

vice, serving as ground school instructor for U. S. Navy Aviation Cadets. He was an instructor in physics at Mississippi State University and worked three years for Shell Petroleum, Geophysical, in Louisiana.

Smith was born in Indianapolis, Ind. He received his BS and MS degrees from Texas Christian University and his Ph.D. from the University of Texas. Mrs. Smith is the former Marion Campbell of Fort Worth, Tex. They have a son Michael C. The Smiths live on Emory Road, in the Powell Community.

Future plans for Smith include greenhouse gardening and travel.



Rider wanted from South Knoxville or Bearden area to K-25, 8:00 to 4:30. Woodrow Wills 3-3401, home 577-8245.

Need car-pool member or rider from Maryville or Knoxville, via Alcoa Highway & I-40. Alternate day & evening shift, one week each. D. R. Raines, phone 3-3832, home 573-4150.

Alvin Boatwright Scores 1-under-Par To Take Whittle Springs Golf Honors

Alvin Boatwright shot a one-under-par 69 to win medalist honors in the first K-25 golf tournament of the current season. The tournament was held on the Whittle Springs Golf Club course in Knoxville on April 24. A total of 125 golfers participated. John Cobb had the low handicap score in the first division scoring a net 69.

Lloyd Kahler's 81 was the best scratch score in the second division. Ralph Armstrong's net 66 was the low handicap.

Third division scratch honors went to R. J. Easterday who scored an 83. George Harper had the best handicap score with a net 69.

Dog Steals Ball

W. T. Carter was the most surprised golfer of the tournament. When his ball ended up about 30 feet from the cup on the number five hole-in-one green, a dog picked up his ball and started to run away with it. He got his ball back however, several joined in the chase and the dog dropped it. Here are all the winners:

DIVISION I	
First Nine	Second Nine
D. R. Bennett 36	D. M. Papke 30
Lee Bradley 36	Gus Kosinski 31
G. A. Garrett 36	John Cobb 32
John Cobb 37	Frank Copeland 32
E. C. Ellis 37	Jim Winters 33
J. R. Goss 37	W. T. Carter 34
H. E. Shaw 37	A. S. Boatwright 35
A. S. Boatwright 38	H. Creswell 35
N. D. Byrd 38	John Boggs 36
A. H. Marshall 38	E. V. Bogle 36
R. E. Nier 38	Lee Bradley 36
C. E. Powell 38	N. D. Byrd 36
Chas. Ferguson 38	J. R. Goss 36
H. Woods 38	Ted McKenzie 36
Randy Summers 38	
No. 5 Hole-In-One	
A. S. Boatwright 21 ft. 4 in.	
W. T. Carter 30 ft. 1 in.	
No. 15 Hole-In-One	
J. R. Goss 6 ft. 3 in.	
Ed Powell 6 ft. 7 in.	

DIVISION II	
First Nine	Second Nine
Ted Koprowski 34	R. Armstrong 30
R. Armstrong 36	R. G. Brown 33
J. A. Duff 36	Lloyd Kahler 33
Lloyd Kahler 36	L. C. Patrick 33
A. J. Kessing 37	H. W. Phillips 33
L. C. Patrick 37	C. H. Easler 34
W. P. McEvoy 37	A. J. Kessing 34
R. G. Brown 38	R. O. Meyers 34
Mark Crowell 38	C. A. Reeves 34
J. Ghosten 38	Sam Woodfin 34

Bob Orrison 38	W. P. McEvoy 34
John Noey 38	
No. 5 Hole-In-One	
George Job 1 ft. 4 in.	
G. W. Lay 24 ft. 3 in.	
No. 15 Hole-In-One	
E. R. Brewster 19 ft. 4 in.	
H. W. Phillips 20 ft. 7 in.	

DIVISION III	
First Nine	Second Nine
R. J. Easterday 31	L. C. Hensley 31
D. Klebenow 33	R. J. Easterday 32
Ron Campbell 36	Lyle Hensley 32
G. R. Harper 36	Art Rice 32
J. L. Keller 36	T. A. Angelelli 33
C. L. Butcher 39	G. R. Harper 33
Ray Koteski 39	J'm Stout 33
Dennis Raines 39	Bob Limberg 35
George Lockhart 40	J. L. Petty 35
Bob McGrath 40	V. R. McNeeley 36
Ray Rinehart 40	
H. L. Simmons 40	
Boyd Hartman 40	

No. 5 Hole-In-One	
J. L. Keller 3 ft. 7 in.	
G. R. Harper 56 ft. 2 in.	

No. 15 Hole-In-One	
S. H. Moore 16 ft. 9 in.	
Bob Limberg 21 ft. 1 in.	

Wallace Hills Next
The second K-25 tournament will be played at Wallace Hills Golf Course on May 22. Tee-off times may be obtained from the Recreation Office on Monday, May 17.

Women's Bowling

The Pay-Offs won both the first and second halves of the K-25 Woman's Bowling League, which makes them the League Champions for the 1970-71 season. Members of the championship team are Oleta Carden, Charlene Castle, Vernice Clower, Sue Davis, DeLores Friedman, Dorothy Gordon, Helen Hobson and Jean Mooney.

Final Standings	
Pay-Offs 88	Pin-Ups 54
Up-T'wners 76½	Bowlettes 54
Wood-Bees 71½	Spotters 48
Hot Shots 55½	Hits-Misses 32½

OLD BONDS
There is no advantage in redeeming your older Bonds to purchase the new U. S. Savings Bonds. Older E & H Bonds will also have their yields improved, starting with the first interest period after June 1, 1970.

Simple Solutions

Save \$ome

Some people are poor and they earn over fifty thousand a year. Some are rich and they earn only six or seven. How come?

The answer is the ability to save a little, no matter how much you earn. What you make is very important, of course, but what you save is even more important.

Why save?

There are many reasons. Some people save for that proverbial rainy day. Others save for a new car, higher education for the children, retirement, or just to have a cushion in case of a long illness or a layoff.

Yes, it's smart to \$ave \$ome.

Start . . . And you too can be rich.

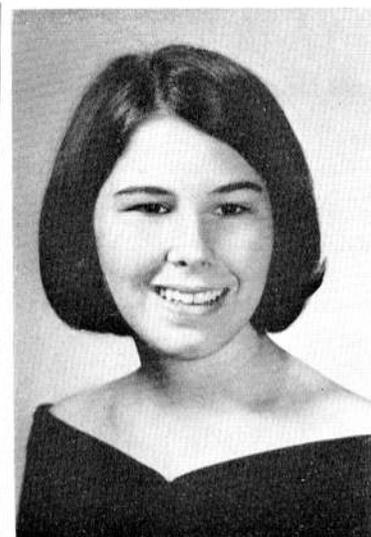


TUESDAY CHAMPS—Tuesday League champions are the All Stars, winners for the 1970-71 season. Left to right are Junior Womac, Harold Gunter, Guinn Marrow, Lee Owens, John Perr and Millard Gibson. Other members of the All Stars, not shown, are J. A. Harris and C. R. Starlin.

Lab Notes

C. R. Lay, A Shift Supervisor for the Separations Systems Division is serving as president of the Roane County Association for Retarded Children and Adults. The Association has recently announced that an agreement has been signed with the State of Tennessee, Department of Public Welfare to provide a comprehensive day care service for pre-school children who meet eligibility requirements as defined in the Department's State Plan.

The Center is located in Edgewood School in Kingston and is operated by the Exceptional Children's Day Care Center, Inc. The telephone number at the Center is 376-7036.



Nancy Palmer

Nancy Ann Palmer, daughter of S. W. Palmer, Separation Systems Division, was recently selected Altrusa Girl-of-the-month. Altrusa Club initiated the program of selecting Altrusa Girls-of-the-

month 10 years ago as one means of combating the adverse publicity given to delinquent teens, to show the worth of today's young people. Girls nominated for this distinction are senior girls at Oak Ridge High School who have demonstrated service, leadership and academic success. They are nominated by service clubs of ORHS and then a faculty committee votes on the nominations, making a choice for the Altrusa Club.

Nancy has been active in Masquers, Anchor Club, International Relations Club, and Leaders Club. She has held the offices of president of the Biology Club, secretary of Future Teachers of America, secretary of ORHS Student Council. Nancy is a **National Merit Scholar**, member of the National Honor Society, as well as a Red Cross swimming aide.

Nancy was named a winner of a National Merit Scholarship of \$1,000 last week, one of the two finalists from Oak Ridge High School. She was among the 1,000 scholars named for the coveted award.

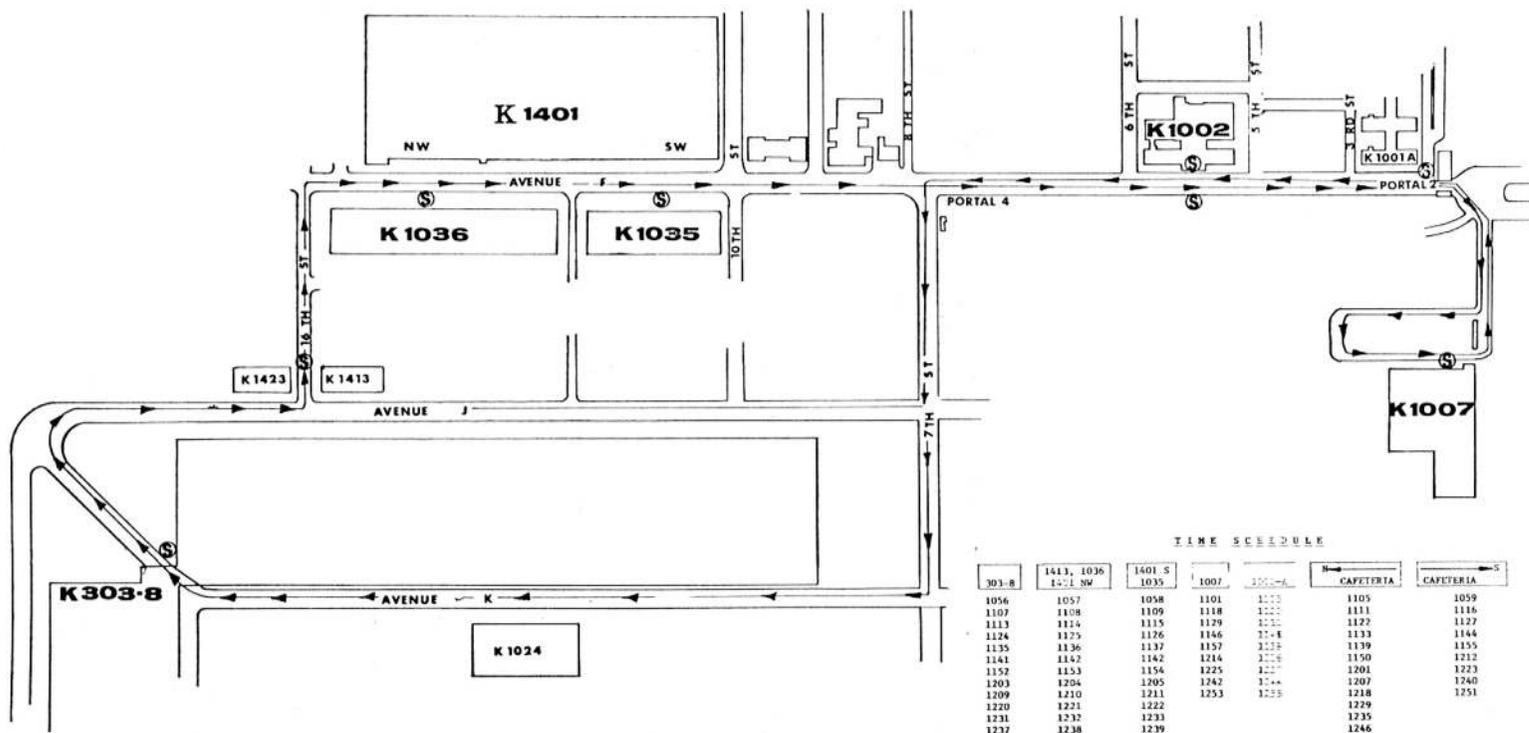
Nancy was a delegate to the Model United Nations at Georgetown University, Washington, D. C., in 1969 and attended the workshop and convention of the Tennessee Association of Student Councils. She received a biology award and the Presidential fitness award. Her special interests are sports, sewing, reading, and politics. She plans to attend college to study law.

ORGDP LUNCH BUS

EFFECTIVE 4-19-71

CLOSE EXAMINATION WILL REVEAL THAT THIS SCHEDULE PROVIDES, WITHIN THE BOUNDS OF THE 30 MINUTE LUNCH PERIOD, 22-23 VISITS IN THE CAFETERIA AND 28 MINUTES TOTAL FOR THE ROUND TRIP. THESE TIMES THEN INCREASE IN INCREMENTS OF ABOUT 10 MINUTES.

PLEASE NOTICE THE BUS STOPS, ⊙, AS INDICATED ON THE MAP BELOW. THESE ARE THE ONLY SCHEDULED STOPS AND MUST BE OBSERVED IN ORDER TO EXECUTE THIS SCHEDULE PROPERLY. ALSO PROVIDED IS A LISTING OF THE VARIOUS STOPS AND THE TIMES AT WHICH THE BUS WILL ARRIVE AT THE GIVEN LOCATION.



REVISED LUNCH BUS ROUTE—This route has recently been expanded to include stops at Building numbers

K-1001 and K-1007. The time schedule is shown in the lower right hand corner.

SAFETY SCOREBOARD

OUR PLANT
Has Operated
349,000 Safe Hours
Through April 29

Since last disabling injury on April 5

Detection, Early Prevention Of High Blood Pressure

By T. A. LINCOLN, M.D.

High blood pressure (hypertension) is the most important precursor of heart and blood vessel disease, the number one cause of death in middle and old age. It doesn't make sense to wait until cardiovascular disease is established to mount an effective treatment or prevention program. Can hypertension be detected early enough to change its course? If yes, what kind of treatment or prevention programs seem



Dr. Lincoln

reasonable and will they really make any difference?

In a recent article in the *New England Journal of Medicine*, Dr. Stephan Zinner and associates at Harvard reported on a study of 190 families with 721 children from 2 to 14 years of age. They found that a familial tendency to elevated blood pressure was established early in life. The blood pressure levels within families varied significantly less than among children of the same age in other families. In 15 families the blood pressure was elevated in most of the

members of the family. In many of the children it was not elevated enough to be considered abnormal, yet it was significantly higher than other children of the same age. The pressure measurements and statistical treatment of the data were handled with great care because of the well-known difficulties in performing blood pressure studies.

The apparent lesson from this study is that the entire family of a patient with an established hypertension should be followed carefully. Determining the usual baseline blood pressure at an early age can be valuable in counseling children to establish life styles that may prevent or delay the onset of hypertension. Ideally the pressure should be measured by the same observer or electronically at the same time of day, in the same posture and the same length of time after eating or exercise.

Cases Carefully Studied

An urgent need is the accurate measurement of blood pressure in thousands of children so the distribution of levels for each age group can be more adequately defined. Even though a person is technically normal, he needs to know where he stands in the fairly wide range of "normal." Is he consistently high or low? Does his pressure fluctuate widely? A labile blood pressure response may precede a sustained hypertension by many years.

Dr. I. M. G. Stewart, of Victoria Hospital in Blackpool, Great Britain, followed 40 young men who supposedly had definite essential (essential meaning no other cause could be found) hypertension for seven years. In 12 cases, the pressure came down to normal levels without treatment, suggesting that in some cases hypertension is an episodic disease. Whether these twelve will again develop hypertension when they get older is unknown, but certainly most physicians would probably say yes.

How To Prevent Hypertension

Some interesting observations have also been made by the British on factors which influence the development of hypertension. Occupation, either directly or indirectly, appears to influence the pressure. Those whose job requires relatively little physical activity and pays well, tend to have higher pressures. There appears to be a steady trend and the difference is not related to body weight. Bachelors tend to have higher pressures and, believe it or not, in married men and women, the larger the family the lower the pressure. This relationship seems true for all occupational groups.

Prevention of essential hypertension is a difficult task and may be impossible. This disease is largely genetic in origin. There are, however, important environmental factors which influence the time of its appearance and the rapidity of its progression. Children from parents with hypertension should be encouraged to keep lean and enjoy vigorous physical exercise. The weight control is probably more to limit the intake of sodium than just to avoid unnecessary poundage. Limiting the salting (sodium chloride) of food is helpful but one should remember that sodium is present in most foods, so

Shrine Aid Helps Johnny

Life began rather precariously for Johnny Fox six years ago at Fort Leonard Wood, Mo. Weighing only three pounds, four ounces, Johnny played touch-and-go with life for several days. Then his problem was labeled as an excess of calcium. And the struggle began.

Johnny was slow to walk, more than three years old because his feet were bent back. Then his parents found out; he was a victim of cerebral palsy, and the slow, painful treatments started. And Johnny learned to walk, to ride his bicycle, and react as any growing boy should.

But he's stubborn, his dad says, he has to be. "When Johnny falls, he won't let any of us pick him up. We have taught him that he has to do everything for himself, and he does."

Johnny wears braces from his ankles to his hips, and faces more surgery in about two months. He must go to Lexington, Ky. for advanced medication and therapy. His trips there are financed through the Shriners and their efforts. "They won't let us buy Johnny a coke on the way up," say his parents.

The parents live at 121 Lancaster Rd., Oak Ridge. There are two more children now... Eddie, three and Carol, two. And there's the usual sibling trouble. "But they are very good with Johnny. His handicap gets him no favors, and his strong will works to his advantage, especially with therapy and treatment."

Thomas E. Fox, Johnny's father, is in Y-12's Alpha Five Processing. His enthusiasm for the Shriners knows no bounds. "After what they've done for Johnny, I'd do anything for them," he states simply.

And one look at bright little Johnny Fox and all the wonders the Crippled Childrens Committee has done, makes that dollar we gave for our Shrine paper last year look a little paltry.

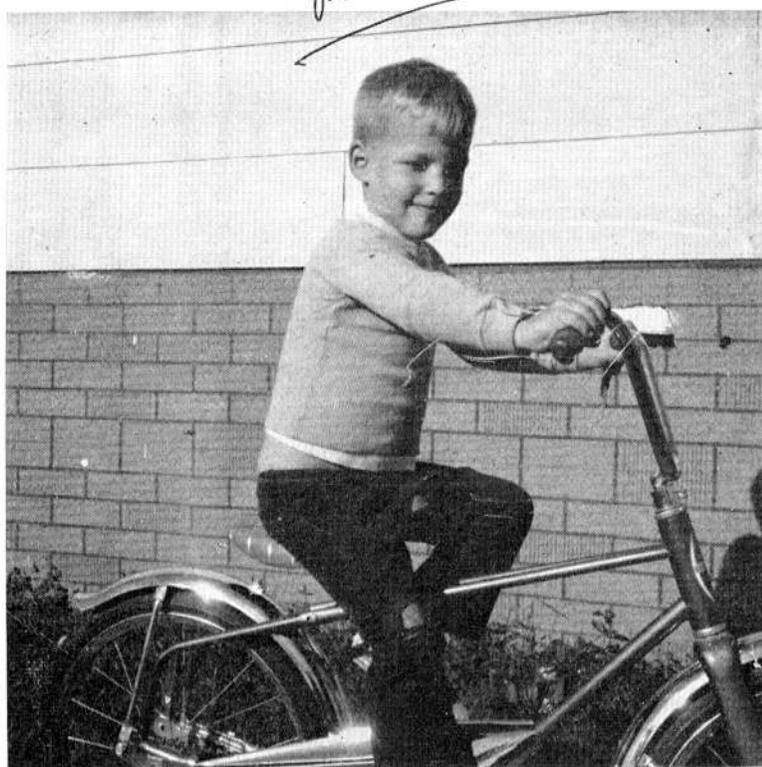
eating more than necessary produces a sodium overload.

Smoking To Be Avoided

The exercise habit may help discharge the buildup of pressure elevating adrenal hormones which occurs especially during emotional tension. Finding a way to "blow one's stack" safely during anger and frustration may be helpful. Many hypertensive patients seem to have deeply repressed hostility and cannot let go of their feelings easily.

Because of its well-known effect on vascular disease, tobacco smoking should be assiduously avoided. When and if the time comes for medical treatment of hypertension, it should be accepted as a lifelong process. Even though some patients improve sufficiently that their anti-hypertensive medication can be discontinued, they must be closely followed to be sure the pressure is staying down. Anyone who takes anti-hypertensive medicine only until he feels well, is being pathetically naive.

Aging may be a relentless process but fighting one great accelerator, hypertension, is now possible and will certainly continue to improve. Already anti-hypertensive medication has had a clear life-lengthening effect on patients with severe hypertension and may also do the same in those with mild or moderate disease. Long-range prevention, however, must begin during youth.



'TALL' IN SADDLE—Shriners think you stand pretty 'tall' when you stoop to help a crippled child... one crippled like Johnny Fox. Johnny is the six-year-old son of Thomas E. Fox, in Y-12's Alpha Five Processing. Little Johnny was afflicted at birth with cerebral palsy, but, thanks to Crippled Childrens' Hospitals, and the Shriners, he is making progress toward normalcy.

Shrine Paper Sale May 10-16

"A man never stood as tall as when he stooped to help a crippled child." This is the theme for the annual Shrine Paper Sale which will be held next week, May 10-16.

The Clinch Valley Shrine Club

is responsible for the paper sale in Oak Ridge and Anderson County. Local president O. E. O'Blenness, of WATO, pointed out that East Tennesseans are particularly proud of the fact that local Shrine clubs have raised more money year by year for their hospitals than any other temple or combination of temples on the North American continent. "This speaks very highly of East Tennesseans," O'Blenness commented.

Local Officials

Assisting in the local drive are several Nuclear Division men. E. E. Burns, Y-12's General Shops, is vice president of the Clinch Valley club; and C. W. Hawkings, Y-12's Fabrication Division, is secretary and treasurer. W. B. Crowder, Y-12's Metal Preparation Division, is chairman of the Crippled Childrens Committee.

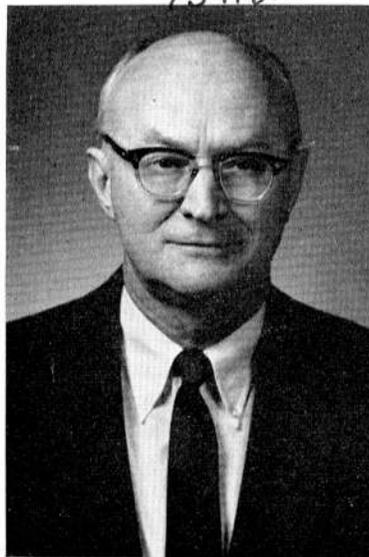
Burns is also acting as chairman for the Anderson County Paper Sale. He issued a letter recently soliciting funds for the Crippled Childrens Committee. He added that after the sale is completed, an Awards Dinner will be held for donors in excess of \$25.

Many Active

"As you know," he pointed out, "all Shriners' time, dues and other contributions go for this cause without the benefit of fee or reward, but a feeling in his heart that he has helped a child that could not help himself."

Professional Engineers Name Officers for 1971

139180



William C. Tunnell

William C. Tunnell, Y-12 Criticality Studies Laboratory, has been elected president of the Oak Ridge Chapter of the Tennessee Society of Professional Engineers.

Tunnell, whose company service dates back to 1943, is a native of Knoxville and a graduate of The University of Tennessee. He has been assigned to the Criticality Laboratory since 1956.

Tunnell and his wife, Maisie, live at 104 Ditman Lane, Oak Ridge. He is a member of the City Council of Oak Ridge. They have two sons—William, a student at UT, and Scott, attending Oak Ridge High School.

Other new chapter officers elected include Rolf C. Rosenvinge, Y-12, first vice president; Joseph J. Kurtz, Y-12, second vice president; Kenneth R. Haeusler, Y-12, secretary; Samuel J. Senatore, ORGDP, treasurer; Paul R. Kasten, ORNL, director; and Finish S. Patton, state director.

NEWS

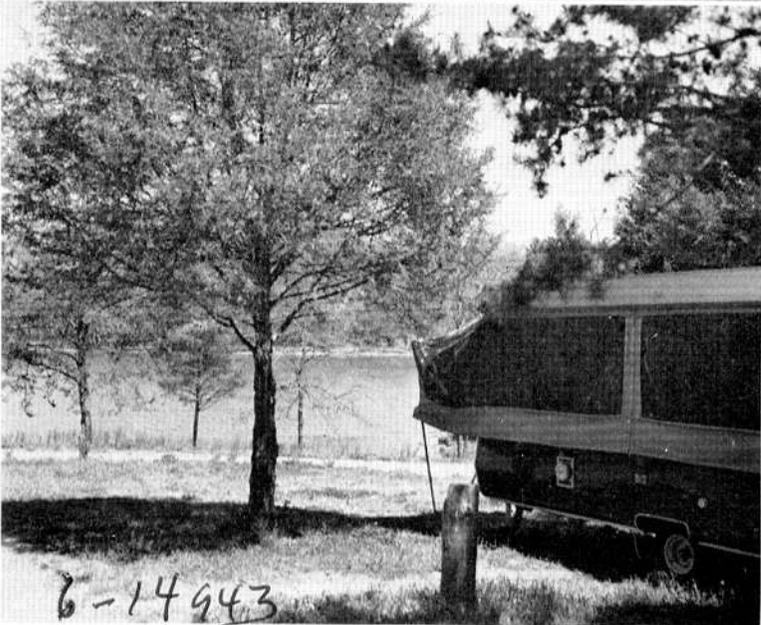
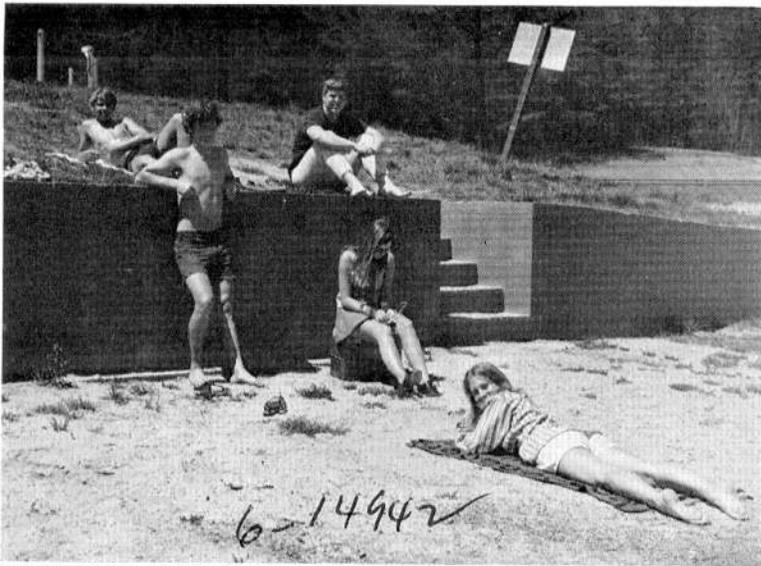
Published Bi-Weekly For The Employees Of UNION CARBIDE CORPORATION NUCLEAR DIVISION

JAMES A. YOUNG Editor



Member  Appalachian Industrial Editor's Association International Association of Business Communicators

OFFICE Post Office Box Y Oak Ridge, Tenn. 37830 Telephone 3-7100 or 3-5345



MORE SPRING SCENES—More idyllic photographs from Clark Center Recreation Park show Spring has finally arrived in the Tennessee hills. In the top photograph, lounging on the grass are, from left, Tim Craven, Donna Young and Cay Berg. In the grass on the upper deck are, from left, Mike Holloway and Edward Hennessee. In the lower photograph a typical camper is parked near the quiet shores of Melton Hill Lake. That's living, isn't it?

Carbide Park

(Continued from Page 2)

The proper place for the decal, points out Tidwell, is the left front bumper . . . that is, the driver's side.

And what was going on at the Park?

There were some late lunchers, spreading a picnic at the hundred-odd picnic tables. (For large groups, you need reservations . . . at the large barbecue area; you do not require reservations at the other picnic areas. Reservations are made through your respective Recreation Department).

On the canoe launch were three visitors enjoying the Spring sunshine . . . an ORGDP man was launching his boat to go fishing, a pleasant way, indeed, to enjoy some off-shift duty . . . some young people were sunning at the beach (the beach is not officially open until the first week of June. No lifeguards are there until then.) One youngster took a quick swim, said the water was a little cold. There was a herd of ducks fishing in the cove. A lot of mockingbirds were singing, and the dogwood was in profuse bloom.

There were a few scattered campers (the 40-50° nights of this particular season are not conducive to sleeping out, are they?).

The youth at the beach explained they were not playing hookey from school, that they were legitimately "loafing," so permission was granted to use the pictures freely.

So, the next time you get Spring fever, look across your shoulder and try to imagine what they are doing at that very moment over at the Park. It will surely cure your Spring fever.

PAY YOURSELF FIRST

When your money goes, it goes for good. And that's bad. Join the Payroll Savings Plan for United States Savings Bonds — and pay yourself first.

Social Security Benefits Featured at May 13 Meet

R. J. Eldridge, district manager of the Social Security Administration, Knoxville district, will speak in Oak Ridge next week. The meeting, sponsored by Union Carbide Corporation, will be concerned with social security benefits, especially regarding the latest improvements, and an explanation of the Medicare Program.

Any interested person, whether his retirement is forthcoming or not, is welcome at the meeting, according to the Retirement Councilors for the Nuclear Division.

The meeting begins at 7:30 p.m. Thursday, May 13, at the Oak Ridge High School auditorium.

'WALK' SATURDAY

Saturday's the day for the 20-mile "Walk for Mankind" in which volunteer hikers will earn special dollar-per-mile donations from area merchants for Project Concern, an international non-profit, medical-service organization which helps those in need of medical help but who cannot afford to pay. You can still do your part by volunteering time or money for the special event. For more information, contact any member of the Oak Ridge Jaycees, which is among the Walk's several area sponsors.

HORSESHOE LEAGUE

The Recreation Department is closing out entries in the Horseshoe League, effective Friday, May 7. No names will be taken after 4:30 tomorrow.

'Union Carbide To Benefit In Economy Pickup', Wilson

(Continued from Page 1)

culty, however, has been that no commercially proved process exists for removing sulfur oxides from the gases in the power plant stacks. He mentioned that Union Carbide expects to complete in September next year an installation for testing a new process that could help solve the problem.

Another hopeful sign in carrying out the pollution-control program at Marietta that Wilson mentioned has been the easing of the coal situation, which has enabled the corporation to obtain more coal with a lower sulfur content for use in the power plant. He said that whether all subsequent deadlines on emissions control can be met will depend upon whether additional fuel of good quality can be obtained.

Pollution-Control Cited

Union Carbide expects to complete this June at its Alloy, W. Va., plant the largest dust collecting system ever installed on a ferroalloy furnace. Wilson referred to some of the problems involved in controlling pollution at older facilities, such as the ferroalloy plant at Alloy and the Anmoore carbon products plant. Portions of the latter plant were built as long ago as 1904, and the corporation is rebuilding furnaces in an area of the plant that has been one of the most difficult from the standpoint of pollution abatement. In contrast, he said, a new plant completed last year in Puerto Rico, making the same products as at Anmoore, is virtually pollution-free since the necessary control equipment was built in at the outset.

Wilson said that through 1970, the corporation's capital expenditures for pollution control in the United States and Puerto Rico have amounted to \$100 million. He added, "We expect to spend another \$100 to \$125 million in the next five years in bringing existing facilities up to the level that both we and the government would like to see."

Dividend Declared

The board of directors of Union Carbide Corporation has declared its 216th consecutive dividend in

the amount of 50c per share. The dividend, payable June 1, will go to stockholders of record at the close of business May 7.



UNION CARBIDE CORPORATION

NUCLEAR DIVISION

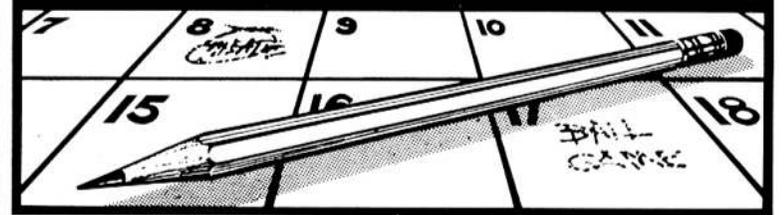
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CALENDAR OF EVENTS



TECHNICAL

May 7

Physics Division Seminar. "Evidence for Simple Reaction Mechanisms in Neutron Capture," R. E. Chrien, Brookhaven National Laboratory. East Auditorium, 4500N, 3 p.m.

Analytical Chemistry Division Seminar. "Electrogenerated Chemiluminescence," Allen J. Bard, University of Texas, Austin. East Auditorium, 4500N, 10 a.m.

May 10

Third National Symposium on Radioecology. Oak Ridge Civic Center. Morning Session, 9 a.m.; afternoon session, 1:30 p.m.; evening session, 8 p.m.

UT Institute of Radiation Biology Seminar. "Unusual Responses of B Megaterium Spores to Radiation." R. S. Stafford, UT Hesler Biology Building, Room 538, 7:30 p.m.

May 11, 12

Third National Symposium on Radioecology. Oak Ridge Civic Center, morning sessions, 8:55 a.m.; afternoon sessions, 1:25 p.m.

May 11, 12, 13

17th Southeastern Conference, Instrument Society of America. Gatlinburg Civic Auditorium, opening sessions 9 a.m.

May 12

Biology Division Cancer Research Seminar. "DNA Binding Proteins and Growth Control in the Fibroblasts." Howard Green, Massachusetts Institute of Technology Biology Department, 9207 1st Floor Tower Annex Conference Room, 12:15 p.m.

Nuclear Power Seminar. "Nuclear Power Plants—Decreasing the Probability of an Accident." W. B. Cottrell. Central Auditorium, 4500N, 3 p.m.

May 13

ORNL-NSF Environmental Lunch Hour Film. "Poisons, Pests and People," 3047, Isotopes Auditorium, 12 N.

7th Graders Are Soliciting Kidney Machine Finances

Seventh graders at Jefferson Junior High School are getting involved at an early age. They are currently collecting Betty Crocker bonus coupons, as well as trading stamps for the Save Our Kidneys foundation.

The drive is under way to obtain help for 11 patients in the Knoxville area awaiting life-saving kidney machines.

The JJHS students recently conducted a day-long tour at the Downtown Shopping Center in Oak Ridge. They still welcome help from interested parties.

COMMUNITY

May 7, 8

Oak Ridge Playhouse presents "A View from the Bridge," a drama by Arthur Miller. Oak Ridge Playhouse, 8:20 p.m. Admission: \$2.50; Fridays only AARP members \$2; Students \$1.25.

May 16

Art Center Film Club. "La Mandragola," (The Love Root) Italian. Renaissance Florence recreated in a farce based on the Machiavelli story. Jefferson Junior High School, Fairbanks Road, 8 p.m. Admission: \$1, students \$0.75.

May 21-23

Religious Art Show. Education Building, Grace Lutheran Church, 131 W. Gettysburg Ave., hours, Friday: 7-9 p.m.; Saturday, Sunday: 2-4 p.m., 7-9 p.m. Admission, free.

Religious Art Show Set for May 21-23

A Religious Art Show is being sponsored by the Grace Lutheran Church, Oak Ridge. The exhibits will be on view in the Education Building of the church on May 21-23.

Classifications included in the show will be paintings (oils, watercolor, polymers, pastels, etc.); drawings; graphics, such as block prints, etchings, etc.; sculpture; photography and crafts.

Special youth categories by age groups include groupings of eight to 11, 12-14, and 15-18.

Grace Lutheran is accepting entries now for the annual show. A \$100 prize will be awarded the best of show.

Board Picks Wilson

The board of directors of Union Carbide Corporation has elected F. Perry Wilson as chairman and chief executive officer, William S. Sneath as president, and James R. Johnstone and William B. Nicholson as vice chairman of the corporation.

At the corporation's annual meeting of stockholders earlier, Johnstone and Nicholson had been elected directors. Wilson and Sneath, who have served as directors since 1969, were reelected to those posts.

The change in management of Union Carbide had been approved by the directors earlier in the year, at which time announcement was made of the retirements of Birny Mason, Jr., who had been chairman and chief executive officer, and Kenneth H. Hannan who had been vice chairman.