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 Gasenius 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.

Numerous Honors

Dr. Montillon was a member of many 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 68 percent participation in payroll savings by Nuclear Division employees.

W. E. Williams, general chairman for the drive, said that last year Division employees gave "enormous support" to the U. S. Savings Bond Drive. "More than 2,300 employees signed up for savings 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 Biny Mason, Jr., president 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 higher 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 or 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 Alcoa and Ammoco, 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-
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 Department. (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 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.

SPRING COMES—Spring has come at last to the Clark Center Recreation Park. In photo 1, Mike Foust, 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 features 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 Younger, OSRD, launching his boat to cast a few lines. David Mitchell, ORNL employee, left to right, and Bobby Denson and Jimmy Crawford fish 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.

(Continued on Page 6)
Ebert, superintendent; Alonzo Mills, Dan Stroud, John Harding and B. J. Bailey, Safety Department. In the second row are Bill Cooper, L. R. Bledsoe, John Young, George Oliphant, Bill Heckert, C. A. Scarborough, W. Watson, Dave Jennings and Don Hill.

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

Abbatello 


The session, consisting of papers dealing with adaptive control basic machines, included a report authored by Y-12's Leonard A. Abbatello, Thompson and Roy R. Williams. The report, entitled "Machine Optimization," was announced as a survey sponsored by Y-12 and conducted in 1970 by an independent research team 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 operation. The planning and executing of any hazardous activity is handled by the 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 7,069,000 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 60s when their string of man-hours was broken at 6,830,000. (NOTE: On March 23, 1971, the Division had operated for three years without a disabling injury.)

Interest, Enthusiasm

The pleasure derived from de- and 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.

Elliott Pin Pointed

Furthermore, the supervisory leadership in the Division has not permitted the progressive improvements in safety performance to nullify their people into a state of complacency. It is obvious from their action that the employed 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 shall that is 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 redress 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 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.
Bob Carmack Cards 4-under-Par Score
To Capture Wallace Hills Links Race

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. Mr. and Mrs. Bill Miller of Gallatin, who were the only pair fired the whole day, at 117 golfers took to the tees on the lovely course.

Other winners in the first division included Carl Dorr, with a 73, and James Hearn and Frank Bryant, each with 74; and Bill Meese and Bill Grubb, each with 76.

Handicap lows went to Jim Pugh, 67; D. J. Robertson, 78; B. E. Littleton and Jim Kinlaw, each with 72; Charlie Baxter and Jim Vance counted 13 pars.

SECOND FLIGHT
Sewell Brown and D. G. Linton 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 garnered by Jack Smith, 66; Kenny Cook, 68; Bob Bowers, 69, and Jim White, 70.

Most pars went to Ed Sise and Bob Angwin, both with 13.

THIRD FLIGHT
Buell St John joined the magic circle of winners to take the third flight with a 78, Dan Morgan carded an 80; while C. H. Crockett followed with an 84; and I. W. Jeter joined the circle with a 82.

Handicap honors went to Bud Dy, Ed Gill, Don Dowdy, 74; and W. J. Barger, 76.

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

FOURTH FLIGHT
Clay Davenport finished 18 holes with a 91 score, followed by Harry Hays, 94; Jim Griffin, 94; and Brad Napier, 94.

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

J. L. carded three pars and one double, and Jim Lawhorn, John Bivins, Mike Scarrub, Lee Spencer, Gary Morris, John Kennedy, J. D. Hensley, Lawrence Lock, Jack Hallinan and Mike Nelsen scored two each.

The Recreation Department has announced that Southwest Point has cards available for the May 22 tournament, but will not take reservations, if taken after tee-off times have been given.

After you get your tee-off time, to obtain carts call Kingston 227-9133 to reserve one. Recreation will not handle cart reservations.

Ride wanted from Wolf Valley Baptist Church vicinity to North Portal, 11/2 miles. Charles Brada, plant phone 3-533, home phone Clinton 457-3271.

Ride wanted from vicinity of Pallas Road, Oak Ridge, to East Portal, straight day, J. W. 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 3-4543, home phone Knoxville 388-6160.

IN APPRECIATION
Albert and Doris McKamey wish to thank Y-12ers for the many acts of kindness recently.

The McKameys (Doris is in Parilas 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 Application**

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.
Fabritcation 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 1973.


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 discuss 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.


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

Two Smiths Retire Here During May

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

Savings Bond Coordinators—ORGP 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. Grunet. Standing are J. W. McKeeber, C. H. McIntyre, J. D. Hoogesteger, J. K. Lowery, J. S. Stephens and E. B. Harris.

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

NEED TO KNOW

Rider wanted from South Knoxville or Bearden area to K-25, 8:00 a.m. to 4:30 p.m. Woodrow Wills 3-8101, home 571-6265.

Need carpool member or rider from Maryville or Knoxville, via Alcoa Highway & I-40. Alternate day & evening shift, one week each, D. R. Raines, phone 3-2183, home 303-4580.

Ronald F. Gibson

M.S. Degree from UT Awarded to Gibson

Ronald F. Gibson (Mechanical Engineering Department, Separations Systems Division) received a M.S. degree in mechanical engineering from The University of Tennessee on March 1st. 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 Tallassee, Ala. He attended Florida State University and was graduated from the University of Florida with a B.S. degree in mechanical engineering in 1963. Since then he has been employed as a development engineer in the Separations Systems Division, ORGP. He entered UT in 1969, 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.
Alvin Boatwright Scores 1-under-Par
To Take Whittle Springs Golf Honors

Alvin Boatwright shot a one-under-par 68 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 123 golfers participated. John Cobb had the low handicap score in the first division scoring a net 68.

Lloyd Kahler’s 64 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 68.

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: D. H. Finch, 21
- First Nine: J. E. Baker, 24
- Second Nine: G. A. Hart, 23
- Second Nine: J. W. Carter, 24
- Total: G. A. Hart, 44

**DIVISION II**
- First Nine: E. W. Long, 21
- First Nine: J. D. Davis, 21
- Second Nine: J. W. Carter, 23
- Second Nine: E. W. Long, 23
- Total: E. W. Long, 44

Women’s Bowling

The Pay-Offs won both the first and second halves of the K-25 Women’s Bowling League, which makes them the League Champions for the 1970-71 season. Members of the championship team are Oleta Cardenas, Charlene Castle, Terence Clewes, Sue Davis, Delores Friedman, Dorothy Gordon, Helen Hobson and Jean Mooney.

Pay-Offs 3:5 Pin-ups 4
Up-Timers 76:8 Bowlers 54
Bowlers 54:4 Spotters 48
Hot Shots 5:5 Hits-Misses 32

OLD BONDS

There is no disadvantage in redeeming your old Bonds to purchase the new U.S. Savings Bonds. Older Bonds and H Bonds will also have their yields improved, starting with the first period after June 1, 1970.

**Roberta** - Phil Phillips, Cascade Maintenance, is seen in one of the suits he recently appeared in at the Spotlight 77 show in Lenor City sponsored by the Band Booster Club to raise funds for the Lenor City High School Band.

**Simple Solutions**

$\text{save some}$

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 save some. Start... And you too can be rich.

**Lab Notes**

C. B. Lay, A Shift Supervisor for the Separations Systems Division is serving as president of the Roane County Association for Retired 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 376-7589.

Nancy Palmer

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

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

Nancy Palmer

month 10 years ago as one means of combating the delinquent 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 Altrua Club.

Nancy has been active in Masons, Anchor Club, International Relations Club, and Leaders Club. She has held the offices of president of the Biology Club, secretary of Future Teachers of Ameri- gun, 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 $1,600 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 George-town 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 President’s fit- ness award. Her special interests are sports, sewing, reading, and politics. She plans to attend college to study law.

**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. Hypertension can be detected early because of its many consequences. If yes, what kind of treatment or prevention programs seem 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 old. In this group, the 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 offspring 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 to eliminate any 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 exercising.

Casses Carefully Studied

An urgent need is the accurate measurement of blood pressure in thousands of children. The development of standard equipment 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 high 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, because they are married, 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. The role that environmental factors play in its development is not clear. The factors which influence the size 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 pessimism. Limiting the salting (sodium chloride) of food is helpful but one should remember that sodium is present in most foods, so...
Carbide Park
(Continued from Page 1)
The proper place for the docl, points out Tusculum, is the left front bumper . . . that is, the driver’s side.
And what was going on at the Park?
There were some late bloomers, spreading a picnic at the hundred- old picnic tables. (For large
groups, you need reservations . . . at the help desk, but you do not require reservations at the other picnic areas. Reservations
are made through the Recreation Department.)
On the canoe launch there were three visitors from up north, the Speci- men . . . or ORGIDP man was
sailing his boat to go fishing, a pleasant way to enjoy some off-shelf duty . . . some young people were sitting 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 nol. There was a herd of ducks fishing in the cove. A lot of mock-
swans were singing, and the logjam of water was used for a ride.
There were a few scattered campers (the 40-60 nights of this particular season aren’t condi-
tional to sleeping out, are they?)
The youth at the beach explained, "the roadway is locked from school, that they were legimately "having," so permission was granted to use
the pictures freely.
So, the next time you get Sper (you know how to do that), in the meetings, 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 28-
mile “Walk for Masked” in which volunteer bikers will earn special-dollar-per-mile donations to raise
money for Project Concern, an international non-
profit health and service organization which helps those in need of medical care but who cannot
afford to pay. You can 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 Horse-
shoe League, effective Friday, May 7. No names will be taken after 4:30 p.m.

Union Carbide To Benefit
In Economy Pickup
(Continued from Page 1)
cuity, 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 a program for testing a new
process that could help solve the problem.
Another hopeful sign in carrying out the pollution-control program at Marietta which Wilson mentioned has been the raising of the coal situation, with the company having an agreement with 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 Gied
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 Ammoco carbone 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, which makes the same products as at Ammoco, is virtually pollution-free since the necessary control equipment was built in at the outset.
Wilson said that about 1970, the corporation’s capital expenditures for pollution control in the United States and Puerto Rico have amounted to over $2 million. He also expects 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 218th consecutive dividend in
the amount of 50¢ per share. The dividend, payable June 1, will go to stockholders of record at the close of business May 7.

BULK RATE
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May 7, 8

COMMUNITY

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

Radiations included in the show will be paintings (oil, watercolor, pen and ink), pastels and graphics, such as block prints, etchings, etc., sculpture, photography and crafts.

Religious Art Show
May 13
ORNL-NPS Environmental Lunch Hour Film: “Poisons, Pest, and People,” 13047, Insteppe Auditorium, 12 N.

May 10
7th Graders Are Soliciting
Kidney Machine Finances

Seventh graders at Jefferson Junior High School are getting
involved in an early age. They are currently collecting Betty Crocker dough for cookies as trading stamps for the Save- our-Kidneys foundation.
The drive is an easy way to ob-
tain help for 11 patients in the Knoxville area awaiting life-sav-
ning kidney machines.

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

Board Picks Wilson

Board of Directors of Union Carbide Corporation has elected P. Perry Wilson as chairman and chief executive officer, William S. Sneed as president, and James R. Johnston and William B. Nicholson as vice chairman of the corporation.

At the corporation’s annual meeting of stockholders earlier, Mr. Wilson had been elected directors. Wilson and Nicholson have served as directors since 1969, were re-elected to those posts.

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

May 7, 8

UNION CARBIDE CORPORATION
NUCLEAR DIVISION
P. O. BOX 1, OAK RIDGE, TENNESSEE 37830

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