



NUCLEAR DIVISION NEWS

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

Vol. 4 - No. 6

Thursday, March 15, 1973

QUESTION BOX

If you have questions on company policies, benefits, etc. or any other problems with which we might help, just let us know. Drop your inquiry to the Editor, Nuclear Division News. (Or telephone it to your plant news representative; see page 7). You may or may not sign your name. It will not be used in the paper if you so desire.

Questions are referred to the proper authorities for accurate answers. Each query is given serious consideration for publication.

Answers may be given to employees personally if they so desire.

QUESTION: Why does Union Carbide state publicly that employees who are laid off will be aided by the Personnel Department (or some special office) in finding a job placement? I recently received my notice at ORNL. I have received no help whatsoever from the Personnel Department although I have been there and requested help. The few interviews I have had were sought out and arranged by me (I did get a few good tips from people not in Personnel).

ANSWER: The Personnel Department aided by many other ORNL staff members, is assisting all employees who have been affected by the recently announced reduction in force. Through their efforts, many companies with job openings have already visited ORNL for interviews.

The Personnel Department is counseling individuals on additional employment prospects. It is helping them prepare resumes and giving tips on how to apply for a job.

Even after an employee has left the payroll, the Personnel Department will continue to provide job placement assistance.

The procedure being followed at the present time is the same as that followed last November when it was announced that 200 employees would lose their jobs at the Laboratory. At that time, the Personnel Department was instrumental in obtaining job offers for most of those affected by the reduction in force. This time, admittedly, the task is more difficult due to the larger number involved.

Perhaps the greatest difficulty being encountered is that a very large number of employees are not interested in leaving the Oak Ridge area. The Personnel Department points out that while every effort is being made to find jobs for those employees affected by the reduction in force, many will have to leave Oak Ridge in order to be placed.

Details of efforts being made in behalf of employees receiving notices can be found on page three of this issue.

QUESTION: In computing the amount of pension pay, the procedure is to use the best five years out of the last 10 years prior to retirement.

1. Does the above five-year period need to be consecutive five years?
2. Do the above years need to be calendar years or can the "year" be any 12-month period?
3. Why does the manual on pensions give a choice of using "the last five years prior to retirement" or "the best five years of the last 10 years prior to retirement?" It would seem as though the second statement would cover all conditions including the "last five years prior to retirement." Or is there some wording here that is not readily apparent?
4. Why doesn't Carbide allow the best five years of the entire number of working years? What about the individual whose best working years were 15 years before retirement and whose job was changed or eliminated and thereby forcing him into a lower salary job for the late working years? Through no fault of his own he is forced to accept a lower pension because of the restriction of using only the last 10 years.

ANSWER: The following quotation from page 6 of the Pension Plan booklet answers questions 1, 2, and 3:

"Average straight-time monthly earnings are based on your straight-time rate of pay and the regularly scheduled hours of your department or group during the final five years just before you retire, or, if greater, the five calendar years in which these earnings were highest, during the 10 calendar years just before you retire.

(Continued on Page 8)

Safety incentive award plan changed to stimulate interest

A new safety award incentive program has been established for the four Nuclear Division facilities. The new plan, which provides safety awards to employees for the successful achievement of established safety goals, became effective January 1.

The safety goals include periods of operation free of disabling injuries, and the attainment of a satisfactory disabling injury frequency rate.

The time of an award period varies considering the number of employees at each facility. The award periods are as follows: Oak Ridge Y-12 Plant, 90 days; Oak Ridge National Laboratory, 120 days; Oak Ridge Gaseous Diffusion Plant, 150 days; and Paducah Gaseous Diffusion Plant, 180 days. A disabling injury frequency rate of 0.5 (one injury per 2,000,000 man-hours worked) or less has been established as a divisional goal.

Individual safety awards are earned by each employee at the rate of \$4 for each period completed without a lost time accident. The money is divided as follows: \$2 of the earned award will go into a "general fund" to be credited to the employee's account, and will be accumulated to the end of the calendar year in the form of merchandise, purchased from

the employee's funds, similar to safety awards given in the past.

Random drawing fund

The other \$2 is put in the plant's "random drawing fund." This is a new wrinkle in safety incentive plans. Random drawing fund awards are pooled to buy more attractive, more expensive merchandise, such as small color television sets, AM-FM radios, etc. At the end of the particular plant's specified period, names are picked at random drawings in which all employees on the payroll at the end of the period and at the time of the drawing, are eligible to participate.

Since the fund will be quite large at each facility, there will be a considerable number of winners at each drawing.

Example cited

In addition a \$2 bonus will be credited to the employee's general fund at the end of the year if his plant's disabling injury frequency rate for the year is 0.5 or below. An additional \$2 is added if the entire Nuclear Division attains the same goal.

(An example follows: ORNL goes four months without a lost-time injury. Employees there would have achieved a 120 day period for which they would be credited with \$2. They would have also participated in a "random drawing" award program where \$2 would have been placed in the drawing fund. Then, at the end of the year if ORNL's frequency rate was below the Division's goal, another \$2 would be added to the employee's general fund . . . plus another \$2 if the entire Division accomplished the same goal.)

Committee chosen

The selection of awards and conduct of the drawings will be administered by a committee of employees appointed by the Central Safety Committee. The Central Safety Committee is comprised of installation heads from the four Nuclear Division facilities, division heads, and the safety directors. The employee committee will consist of hourly, weekly and monthly personnel from the major divisions at each facility.

The primary purpose of the new safety incentive program is to stimulate interest on the part of all employees in making safety a way of life both on and off the job throughout the entire year, rather than at particular "safety award" times.

Further details on the new safety incentive program will appear in upcoming issues of Nuclear Division News.

ASM ASCET TSPE meet scheduled for March 20

A joint meeting of the American Society for Metals, the American Society for Certified Engineering Technicians and the Tennessee Section of Professional Engineers will be held March 20 at the Oak Ridge Country Club. Roger F. Hibbs, president of the Nuclear Division, Union Carbide Corporation, will speak on "The Future of Oak Ridge."

The program includes a happy hour starting at 6:15 p.m., a roast beef buffet at 7:15 p.m. and the talk by Hibbs at 8 p.m.

The meeting is open to the public. Reservations should be made no later than March 16, by contacting Everett Bloom at extension 3-1608, or Alan Wood at extension 3-3460.

NUCLEAR DIVISION SAFETY SCOREBOARD

Time worked without a lost-time accident through March 8:

Paducah	150 Days	947,000 Man-Hours
ORGDP	7 Days	103,000 Man-Hours
ORNL	87 Days	1,532,322 Man-Hours
Y-12	49 Days	1,831,000 Man-Hours

Safety is everyone's concern!

Next Issue

The next issue will be dated April 5. The deadline is March 28.

Masters: 'you're not getting older---you're getting better'

If you are one of those people who believes that life ends at 40, don't throw in the towel yet. There is a unique club in Oak Ridge that stresses age 40 and up as "the beginning of fun and competition." In fact, the older you are the better.

The Oak Ridge Masters Swim Club was organized less than a year ago, but the members are already reaping benefits. Two members hold national records. Lillian Kyte, 51, wife of Y-12's Floyd Kyte, holds the national record for the 200-yard breast stroke. Janet Meservey, 58, holds the 200-yard back stroke record. Mrs. Meservey's husband, Albert, works at ORNL.

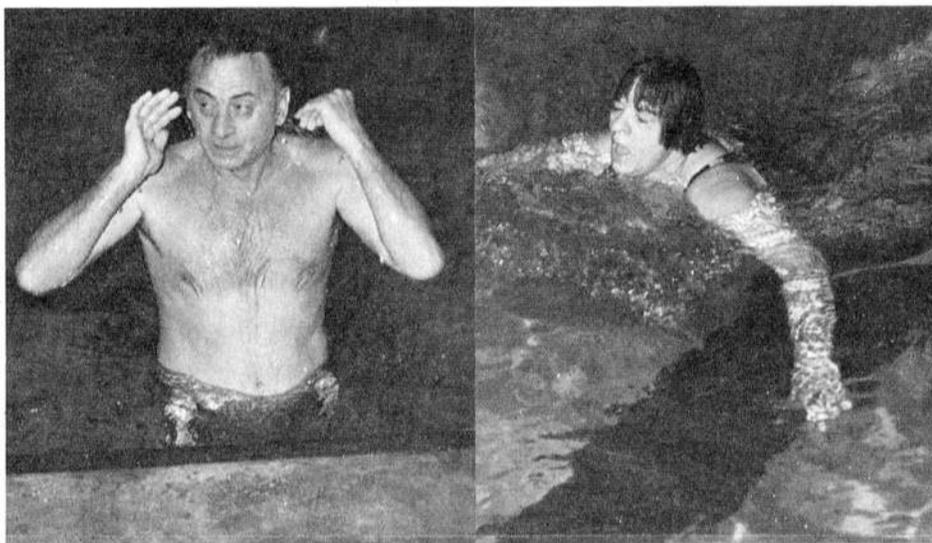
Officers of the Oak Ridge Masters are: Joe W. Gooch, ORNL, president; Richard

About 50 swimmers work out regularly in the program. Some swim in the mornings and others come in during their lunch period. Scheduled workouts are four evenings a week.

The young coach of the Oak Ridge Masters, Winifred Krogsrud, is a real inspiration to the group. In addition to being involved with the Masters, Mrs. Krogsrud coaches the Atomic City Aquatic Club and teaches swimming. Her assistant, Betty Trabalka, whose husband, John, works at ORNL, is one of the youngest participants in the group.

Competition secondary

Some Masters swimmers never enter competition, which is actually secondary to the aim of continued physical condi-



PACING — Warren Grunst, ORGDP, and Janet Meservey participate in pace exercises. Mrs. Meservey holds the women's national record for the 200-yard breast stroke for her age group.

L. Krogsrud, ORNL's Biomedical School, vice president; and Winifred L. Krogsrud, secretary-treasurer.

National program

Ransom J. Arthur, founder of Masters swimming, set up the national program to offer the opportunity for swimmers past the age of 25 years to continue physical conditioning. The rules provide age and ability groups with a well-planned balancing of events and limitations of duration. Competition is bracketed into five-year divisions - age 25-29, 30-34, and on up to age 75.



REFRESHING DIP — Mrs. Alexandra Grunst enjoys the water before relays begin.

tioning and enjoyment of the sport. Others, like Dr. John Crews, thrive on competition. Crews, 53, ranks No. 2 in the national ratings for his age group. He and Krogsrud turned in near recordbreaking performances in two recent meets. Both were subjects of an article in "Swim-Master," the official publication of the Masters. Crews was instrumental in getting the Oak Ridge Masters Club under way.

Other Nuclear Division employees who are active in the Masters and rank high in competition are: Stanley Ashton, H. Fritz McDuffie, Richard Lindauer and Richard Reynolds, all of ORNL. McDuffie, one of the oldest members of the group, finds swimming with the Masters a perfect way to keep fit.

Newcomer training

John Johnson, Y-12, and Suzanne Hoffman, ORNL, are newcomers to the Masters. Mrs. Hoffman just learned to swim last summer. Newcomers begin with intensive stroke training before getting into distance swims and weight training. Johnson and Mrs. Hoffman are both looking forward to entering the competition.

Barbara and Richard Lyon, ORNL, are also relatively new to the Masters, but are not new to the world of swimming. Lyon swam competitively while attending the University of Chicago.

People join the Masters for different reasons. John Munroe, ORNL, is following "doctor's orders." He was advised to either swim or play tennis for his health. William Marshall, another ORNL employee, participates because its good exercise and "they're a great group of people."



ON YOUR MARK — Coach Winifred Krogsrud, foreground, tells the Masters what the next exercise will be. She and husband, Richard of ORNL's Biomedical School, swam at Oakland University, where he held several collegiate records.

George (ORGDP) and Patty Job swim for fun and exercise, but also enjoy competing with people in their own age group. Mrs. Job, who didn't consider herself a very good swimmer, won the first race she entered. The Jobs plan to travel with the Masters to Petersburg, Fla., later this month for the third annual Florida Masters meet.

Hopeful champions

Winifred Krogsrud is deemed a "marvelous coach" by everyone. Her workouts now are geared toward producing an outstanding team effort for the Long Course National Masters meet to be held in Chicago, August 10-12. She has great confidence in her team and believes it has a good chance of becoming the 1973 Long Course champions.

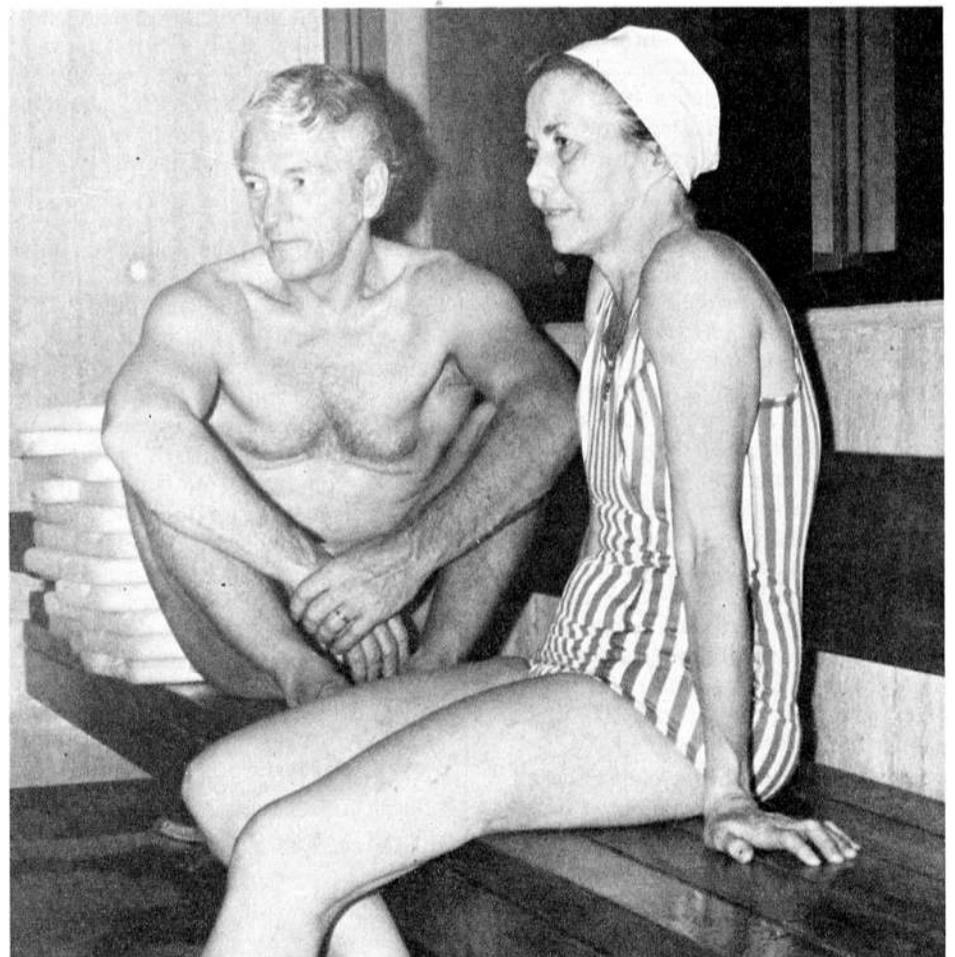
The Oak Ridge Masters sponsored two meets last year; one in mid-July and one in October. They recently sponsored a Swim-a-thon which netted about \$1,800. The money will be used to purchase a close-circuit television and for improvements to the pool at the Civic Center.

So if you are over 25 years of age, need exercise, would like to have fun and compete too, grab your towel and join the Masters. Workouts are Monday, Tuesday, Wednesday and Friday, 8:30-10 p.m., at the Oak Ridge Civic Center swimming pool.

Baker and Coltharp serve as officers

Richard C. Baker and Hugh G. Coltharp were recently installed as president and director of the Four Rivers Safety Council. The council is an association of safety people in the industrial areas of western Kentucky.

Baker, Paducah's safety and health physics supervisor, was named president at the January meeting and will serve for the current calendar year. Coltharp, safety analyst, has served as a member of the board of directors since 1971, and will continue in that position through this year.



WATCHING IS FUN — George and Patty Job take a break. Their children, who were all competitive swimmers, now come out to watch "mom and dad."

Job placement efforts made to aid reductions - in - force

A concerted effort is being made by the personnel departments of Oak Ridge National Laboratory and Oak Ridge Y-12 Plant to locate jobs for the approximately 700 persons affected by a recently-announced reduction in force at these facilities.

While it is too early to have figures concerning job placement (most of the affected employees have not yet left the payroll), the personnel departments at both facilities have developed comprehensive job placement programs. Several firms already have visited ORNL, and about ten firms have scheduled recruitment visits to the Y-12 Plant.

Search begins soon

The job placement effort starts almost immediately after an employee is notified that he is affected by the layoff. The employee is encouraged to visit the personnel department as soon as possible. There, he is counseled on employment prospects in his specific field and is given assistance in the preparation of a resume, and making multiple copies of the resume.

Through personal contact and telephone calls, the personnel men contact employers they know are looking for specific skills. "Through our contacts, I am confident that at present we can find job opportunities for almost all the hourly people (about 160) at Y-12 who are affected by the layoff," reports James M. Seivers, Personnel Department Head at the Y-12 Plant.

Newspapers checked

However, Seivers, like James A. Barker, Director of the Personnel Division at ORNL, explains that most of the employees do not want to leave the Oak Ridge area. "While every effort is being made to find new positions for all those who are losing their jobs, the fact is there are many more people affected than there are job possibilities in the three local Nuclear Division installations," Barker said.

Gillespie earns plaudits from chamber of commerce

Jack C. Gillespie, Special Services Department at the Paducah Plant, recently received plaudits from the Paducah Chamber of Commerce. In their news-



Gillespie

letter they commended Gillespie for the excellent publicity he obtained on a method for "measuring thick nickel plate, aluminum cladding or stainless steel cladding on mild steel."

A new instrument has been developed that uses the eddy-current principles, but which measures the reflected electrical phase angle (instead of the change in voltage amplitude.) This method makes it possible to obtain rapid and accurate measurements of heavy coatings.

Gillespie serves as a member of the Industrial Cooperation Committee for the Nuclear Division. The development was cited in the October Industrial Cooperation Bulletin, and response to Gillespie's information in the Bulletin has been very good.

In addition to contacting several hundred firms known to have openings, a large number of newspapers from a wide area are scanned. "Want ads" are not clipped at random, rather, the personnel people look specifically for jobs which would be in line with the skills of the employees on notice.

If an employee is interested in a specific job, the personnel office will either set up a telephone call with, or assist him in transmitting a resume to the perspective employer.

Other firms contacted

Personnel efforts are not limited to finding job openings. They also offer instructions on how to apply for a job, including the conduct of a job interview.

Among the firms and organizations which have been conducting interviews, or have them scheduled, at the Oak Ridge facilities are Newport News Ship Building, Combustion Engineering, Cabot Corporation, Atomic Energy Commission, Nashville Bridge, General Electric Company, Tennessee Valley Authority, Alladin Corporation, Babcock and Wilcox, General Motors Research Laboratory, and the Offshore Power Systems, Jacksonville, Fla. Several of the organizations have a large number of openings; one has approximately 100 jobs available. The personnel departments expect additional firms to conduct interviews in Oak Ridge as further contacts are established.

At present, three staff members at Y-12 are working on the placement effort, while six ORNL employees are furnishing such assistance.

Society lends aid

The American Chemical Society has offered to assist the Personnel Department's efforts in providing professional job search counseling and in providing additional listings of available jobs throughout the country. Three members of the ASC staff will conduct seminars at ORNL next week for all interested professional persons. Those who might benefit from their program will be notified and be given details.

The job placement effort does not stop once an employee is terminated. Even after he leaves the payroll, the personnel people continue to provide job placement assistance.

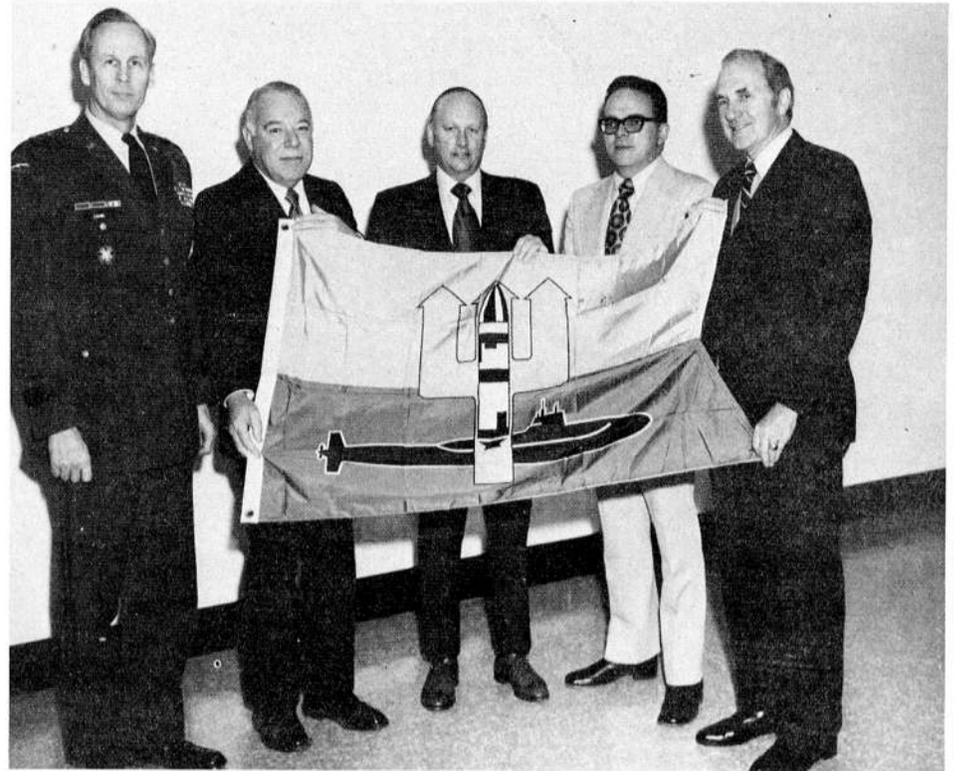
The personnel officers emphasize that the procedure followed for job placement in this layoff is similar to that used in previous layoffs. Last November, it was announced that 200 employees would lose their jobs. At that time, the ORNL personnel department was instrumental in obtaining job offers for almost all those affected by the reduction in force.

Patents granted

To Michael J. Bell and Marvin E. Whatley, ORNL, for "Method for Preparing High Purity 233 Uranium."

To Joseph P. Hammond, ORNL, and Norman C. Binkley, Babcock & Wilcox, for "Bonding Tungsten with a Fugitive Alloy Binder."

To Bernard J. Sturm and Roger B. Quincy Jr., ORNL, and Charles T. Butler, Stillwater, Okla., for "Process for Preparing Calcined Oxides."



Y-12 PLANT HONORED — A Poseidon submarine flag was presented recently to the Y-12 Plant in recognition of the facility's participation in the Poseidon missile program. Taking part in the ceremonies were, from left: Maj. Gen. Frank A. Camm, assistant manager for military applications, Atomic Energy Commission; Jack M. Case, superintendent of the Y-12 Plant; Paul R. Vanstrum, vice president of Union Carbide Corporation's Nuclear Division; Robert J. Hart, manager of AEC's Oak Ridge Operations; and H.C. Donnelly, manager of the AEC's Albuquerque Operations Office.

Navy's Poseidon submarine flag presented Y-12 Plant

The Oak Ridge Y-12 Plant has been awarded a Poseidon submarine flag in recognition of the Plant's participation in the Poseidon missile program.

The presentation was made recently by H.C. Donnelly, manager of the AEC Albuquerque Operations Office, on behalf of the U.S. Navy, to Jack M. Case, superintendent of the Y-12 Plant, and Paul R. Vanstrum, vice president of the Union Carbide Corporation's Nuclear Division. Also present for the ceremony were Robert J. Hart, manager of the AEC

Oak Ridge Operations, and Maj. Gen. Frank A. Camm, assistant manager for military applications of the AEC Headquarters.

Donnelly said the flag was an award in "recognition for a job well done in the Plant's participation in the Poseidon program." In recent years, the Y-12 Plant has fabricated components for the submarine-launched missile.

In accepting the award, Case said, "We are grateful to the Navy for its recognition of Y-12's participation in the Poseidon program. My fellow employees will share a feeling of pride in having made an important contribution to the defense of our nation."

The nylon flag, emblazoned with the drawing of a submarine and a missile, will be mounted on a plaque and displayed in the Y-12 Cafeteria.

Foreign travel

Five ORNL staff members will attend the Third International Symposium on Toroidal Plasma Confinement at the Max-Planck Institute fur Plasmaphysik, Garching, West Germany, March 26-30. The attendees, all of the Thermonuclear Division, are Lee A. Berry, George G. Kelley, Larry D. Stewart, James D. Callen and Robert A. Dory.

The following papers will be presented: "Status of the ORMAK Experiment," by Kelley; "Neutral Beam Injection Heating of Tokamaks," by Stewart; "Quasi-classical Diffusion Processes in Tokamaks," by Callen; and "Stability of Neutral-Injection Heated Tokamak Reactor to Thermal Runaway," by Dory.

Walter S. Snyder, Health Physics Division, will attend the meetings of Committee Two of the International Commission on Radiological Protection in Brighton, England, April 9-19.

Subramanian Raman, Nuclear Data Project, has received a fellowship from the University of Tokyo. He will serve as a visiting scholar at the Institute of Nuclear Studies from March 27 to June 26.

Population conference held in Oak Ridge

About 150 biology teachers and researchers attended a conference on "The World Population Problem," which was held recently in Oak Ridge.

Speakers included Alvin M. Weinberg, director of Oak Ridge National Laboratory, and Everett S. Lee, University of Georgia, who is a consultant to the Civil Defense Project at ORNL. Weinberg's talk was entitled "Resources and Man: Malthusians and Ricardians." Lee, one of the organizers of the conference, presented "The Distribution of Population in the World and in the United States."

The conference was sponsored by the Oak Ridge Population Research Institute, which is a cooperative project of Oak Ridge Associated Universities, ORNL and The University of Tennessee.



JUNIOR SCIENTISTS — Eric A. Hirst, ORNL-NSF Environmental Program, gave a talk on energy through civilization to high school students and teachers who participated in the Eighth Junior Science and Humanities Symposium recently.

ORNL papers

A total of 17 papers by Oak Ridge National Laboratory staff members was listed in the last issue of the **Nuclear Division News**, being presented during January and February. The following were also given:

Eric Hirst, ORNL NSF-EP Program, "Transportation Energy Use and Conservation Potential," at the Conference on Energy, Demand, Conservation and Institutional Problems, Mass.

John E. Caton, MAN Program, "Analytical Chemistry and Gel Electrophoresis," at the University of West Florida, Pensacola, Fla.

Loucas G. Christophorou, Health Physics Division, "Photon and Electron Interactions with Organic Molecules," at the Radiological Physics Contractors' Meeting, Tallahassee, Fla.

Samuel G. Moore, Reactor Division, "1973 Piping Design and Analysis Course: Lecture 8, Stress Analysis - Introduction," at the American Society of Mechanical Engineers, Philadelphia, Pa.

C.V. Dodd, Metals and Ceramics Division, "The State of Eddy Current Theory and its Uses," and Robert W. McClung, Metals and Ceramics Division, "Nondestructive Test Development at ORNL," at the Oak Ridge Section of ASNT, Educational Workshop, Oak Ridge.

Students, teachers attend symposium

Participants of the Eighth Annual Junior Science and Humanities Symposium recently visited Oak Ridge National Laboratory. The Symposium, which lasted two and a half days, was sponsored jointly by The University of Tennessee, the U.S. Army Research Office and ORNL. About 150 high school students and 35 high school teachers from throughout the State of Tennessee were involved. Selection was made on the basis of individual abilities, growth potential and value to the applicant's school.

Robert H. Lafferty Jr., Information Division, welcomed the group. Eric A. Hirst, ORNL-NSF Environmental Program, presented a talk on energy through civilization. A film, "The Bioengineers - ORNL," was shown. Julian P. Breillatt Jr., of the MAN Program, answered questions related to the film.

The participants were divided into groups, according to particular interests, and were given tours and talks by representatives from different divisions at the Laboratory.

The students and teachers chose their field of interest prior to their visit to the Laboratory.

ARCHERY LEAGUE

Phillip Goodyear heads the 19-man Archery League, firing an average scratch score of 271.50. Les Redford follows closely behind with a 270 scratch average, a 294.00 handicap average, as the league fires five rounds thus far.

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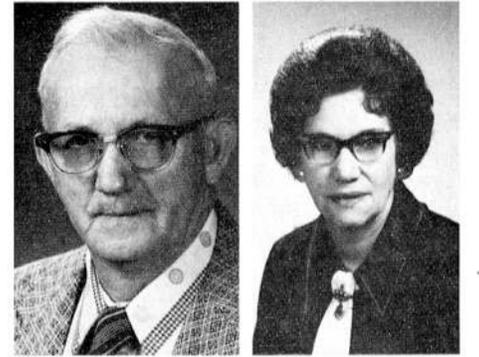
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DIVISION Retirees

6-19499



Justice

Mrs. Sisson

Two additional Y-12ers retired February 28, ending long careers with Union Carbide.

Victor E. Justice, Chemical Services, a native of Morgan County, retired, ending 20 years company service. He lives at Route 1, Oliver Springs.

Helen Freeman Sisson, Building, Grounds and Maintenance Shops, is a native of Williamsburg, Ky. She came to Y-12 in 1943, and presently lives at Route 1, Oliver Springs.



Felte

Zimmerman

Retiring from Oak Ridge Gaseous Diffusion Plant at the end of this month are Edward W. Felte, Purchasing; and Burl Zimmerman, Process Design Engineering.

Felte joined Union Carbide in 1945, and lives at 425 East Drive, Oak Ridge.

Zimmerman joined the Engineering Division at ORGDP in 1954. He lives at 104 Timothy Lane, Clinton.

RETIRED Y-12 MACHINIST

Raymond A. Ethridge, Etowah, died February 20 in an accident on Watts Bar Lake. Mr. Ethridge worked as a machinist in Y-12 and the Oak Ridge National Laboratory before his retirement four years ago. He also worked at the Kingston Steam Plant.



PUT-IT-IN-WRITING STUDENTS — As part of the Paducah Plant's continuing education program, employees are participating in a "Put-it-in-writing" course, conducted by Paul Wood, English instructor from the Paducah Community College. In the above picture, front from left, are Gene Sanders, Bill Higgins, James Wright and Paul Shearer. In the second row are J.E. Wilkins, W.B. Akers, Jerry Hixon and

Bill Penry. In the back row are Captain Stanley Duncan, Kenneth Carpenter, Ron Gross and Don Chumbler. In the second photo, front row, are Jeanette Shnuck, Joe Grisham and Stewart Tolar. In the second row are Gene Larson, Barbara Ashbrook, Becky Bugg and P.H. Walker. In the back row are Charles Turok, Fred Lewis, Inez Stiner, Rudy Hines, James Story and John Tietyen.

6-19500

Sickle cell test available to Oak Ridge plant employees

Screening tests for sickle cell disease are now available to Oak Ridge Nuclear Division employees. The tests, run on a bit of blood from the finger or arm, are being done at the respective plant health facilities. An employee can go directly to his Medical Department or call for an appointment.

Sickle cell disease is a hereditary blood malady that primarily affects the black population. It can also be found in some Caucasians, particularly those whose ancestors came from the Mediterranean area, the Middle East, or parts of India.

It is estimated that some 45,000 to 75,000 blacks in the United States alone have the severe form of the disease. A mild form, called sickle cell trait, is found in about one out of every ten black Americans.

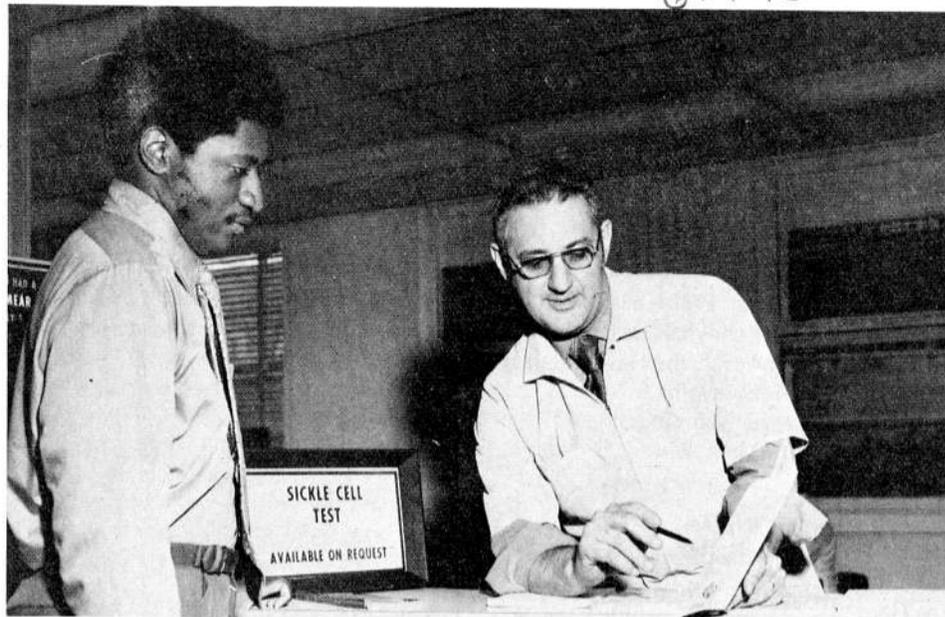
It is believed that there is an association between sickle cell disease and malaria. Malaria is a disease that is commonplace in many parts of the world --

particularly in Africa and the Middle East. According to this theory the gene that is responsible for sickle cell disease is a result of a "protective" mutation which increased an individual's ability to survive malaria.

Reasons for tests

Why should an individual be concerned or bother to take the sickle cell test? It is very unlikely that anyone taking the test will be found to have the severe form of the disease. Most people who have had this form will have had manifestations of it during childhood and adolescence. The primary importance of the test will be in determining whether he is a carrier. Such a person can transmit the gene to his offspring if his spouse has the same condition. Then there is a very distinct possibility of having an offspring with the severe form of the disease which is not infrequently a fatal condition.

Results of the tests, as with other medical tests done at the Nuclear Division



DISCUSS SICKLE CELL — Chalmers Wilson, Y-12, discusses sickle cell disease and what can be done with carriers of the trait, with Dr. Gino F. Zanoli, medical director at Y-12. Wilson was one of the Oak Ridgers instrumental in surveying the community's black population recently on their knowledge of the disease.

medical facilities, are kept in strict confidentiality. Persons who are found to be positive will be advised to get a confirmatory result by electrophoretic testing. This can be obtained at the University of Tennessee Hospital as well as other places in the area. A confirmed carrier will be referred to his family physician or other appropriate sources for further counseling. It is important that the employee undergoing the test knows that the result will have no bearing on his job or position, whether he tests positive or not.

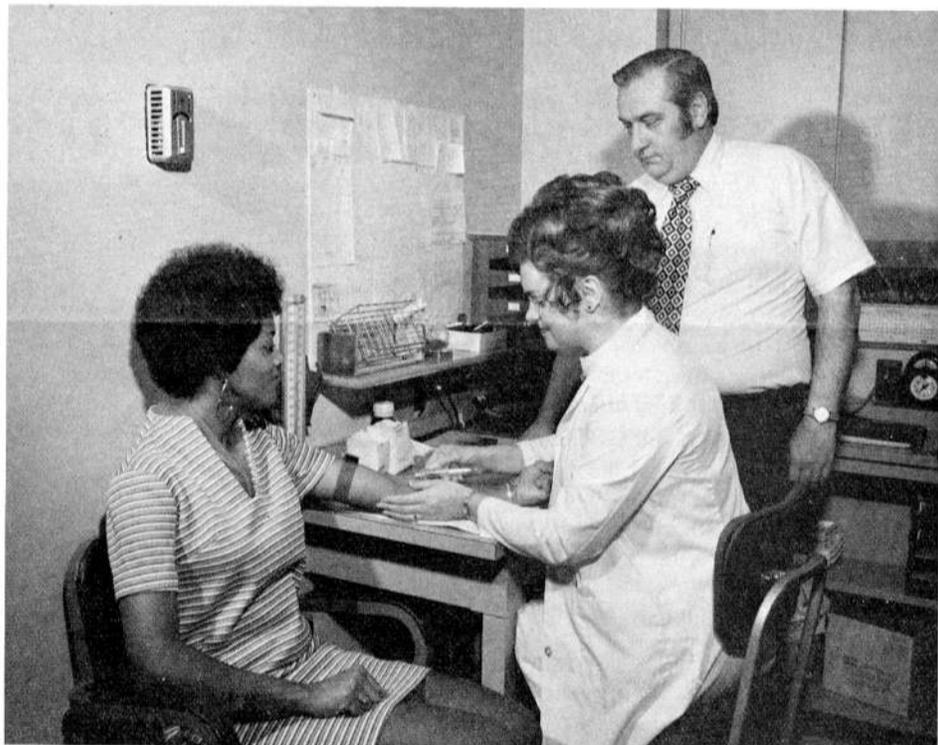
Lead in fight

The Atomic City Sportsmen's Club has been the leader in the Oak Ridge area in promoting information about sickle cell disease, and in advocating and helping to

supervise testing. The club was instrumental in setting up and running a successful sickle cell screening day in Oak Ridge two months ago. Nuclear Division men leading the campaign include Chalmers Wilson, Quentin Long, Joe Gray, Frank Gethers, John Purnell, James Barnes, Gene Hawkins, Larry Gibson, Albert Wilkins, Marvin Scott, John Mayo, E.H. Upton, Charley Hinton, Wilbert Minter, Martin Perrotte and Horace Miller.

Additional information and screening tests are available at the different plant health facilities -- at ORNL the Health Division is in Building 4500, 3-1348; at ORGDP the Medical Department is in K-1003, 3-9687; and at Y-12 the Health Center is in Building 9706-2, 3-7375.

0497-73



THIS ISN'T GOING TO HURT — Familiar words comfort Ruby Miller, Public Relations, as she takes a sickle cell disease test. Administering the drawing of a blood sample is Judy Morton, as Dr. A. Seaton Garrett Jr., Oak Ridge National Laboratory Medical Division, looks on.

73 513



ORGDP DISPENSARY — Frank Gethers, left, is readied for a sickle cell test by Marie Butcher, medical technologist and Dr. Lynn Lockett, medical director at the Oak Ridge Gaseous Diffusion Plant. The blood tests will be available to any interested Nuclear Division employee in the Oak Ridge area.

New boating course offered to seamen



The Oak Ridge Power Squadron will start its spring boating class March 27. Classes will be held in Room A-215 of the Oak Ridge High School, each beginning at 7:30 p.m. The 10 sessions last approximately one hour each and cover such subjects as river boating, boating trailering, rules of the road, seamanship, etc. The entire family is encouraged to attend these free classes.

This is the second year for the new course designed to meet the needs of today's boating enthusiasts who have taken to the lakes and rivers in small boats. The old course had been geared for large coastal boats.

Additional information may be obtained from James H. Rowan, in Y-12 on extension 3-5415, or at his Oak Ridge telephone 483-9575.

INDUSTRIAL-TECHNICAL SKILLS

Industrial skill and technical training courses will be offered through the Training and Technology program (TAT). The courses will begin April 2, and are available to area residents. Anyone interested in applying should contact the office of the Oak Ridge Adult Education Program, telephone Oak Ridge 483-6316.

Welding, machining, electronics, industrial electricity, physical testing, and mechanical operations will be offered.

ORNL

RIDES from Monticello Apartments, Oak Ridge, to either portal, 8 a.m. or 8:15 shift. Edward Thompson, plant phone 3-1903, and Eafren Tompkins, plant phone 3-6760, home phone Oak Ridge 483-9296. Rides needed until May.

TWO CAR POOL MEMBERS from vicinity of Waddell, West Outer or Pennsylvania to East or North Portal, 8:15 a.m. Tom Burnett, plant phone 3-6929, or Oak Ridge 483-1975; or Dick Reed, plant phone 3-1801 or Oak Ridge 383-3458.

Y-12

RIDE or will join car pool from vicinity of Papermill Road, Knoxville, to Biology or North Portal, straight day. Bill Muenzer, plant phone 3-5213, home phone Knoxville 584-1942.

RIDERS from Bearden section, Knoxville, via Middlebrook Pike, to Central Portal, straight day. Al Brown, plant phone 3-7887, home phone Knoxville 584-1273.

CALENDAR NOTE

The American Cancer Society wants to intrude on your calendar once a year like this: Memo—have an annual checkup including cancer tests.



RECREATIONOTES

79624

CARBIDE VOLLEYBALL

The Hawks and Pack head for a showdown in the Volleyball League, each with no losses. However, the Hawks stand higher because of more wins.

Volleyball League standings:

Team	W	L
The Hawks	24	0
The Pack	18	0
The Committee	16	2
The Gang	16	2
Taxi Squad	13	5
Y-12 Old Men	14	7
Anti-Quarks	15	9
Electric Bananas	11	7
Old Men	12	9
Over-the-hill Gang	8	7
Jokers	12	12
Raiders	8	16
Radphys	7	14
Bombers	7	14
Benthics	6	12
Quarks	6	15
Bawlers	7	17
Spikers	6	15
Playmakers	5	16
Sloths	4	14
Phoenix	1	20

ORGDP BOWLING

The Pay-Offs lead the ORGDP's Women League by an eight-point stand over the Up-Towners. Dorbra Lee recently rolled a 205 scratch game, Mary Johnson a 254 handicap single.

The Mix-Ups are at least one night of rolling ahead of the Amps, who are barely ahead of the Planners. Fred Johnson recently rolled a 284 handicap game, as the Wednesday Night League gets down to business.

In the Tuesday League S.S. Stief recently put a 245 single game, and a 618 series, barely six pins ahead of Marty Ginsberg. The All Stars lead the Tuesday bowlers by a good margin, still ahead of the City Slickers.

ORNL BOWLING

The Mousechasers still cling to a lead in the ORNL Ladies League, two ahead of the Bowling Aces. Sally Stockstill, Pic-Ups, rolled a 232 recently to lead the league.

The Woodchoppers broke the tie in the E League and move out in front of the Mets and Guttersnipes. The 'Snipes' Farrelly rolled a 208 recently to head up bowlers for the night.

The Pinups are still way ahead in the A League. Dave Sundberg, Tailenders, rolled a 250 handicap game lately. The Ten Pins' F. Davis rolled a 212 scratch game.

The C League saw Charley Griffies put it together like this recently: 232, 170, 199 for a total of 601 scratch! The Damagers still lead the C boys rather well, five out in front of the Pin Heads.

CARBIDE SKEET FIRINGS

February's Skeet Firings saw Perry Bullard fire a perfect score. The Y-12er took honors with his flawless firing. W. Weathersby, also from Y-12, scored a 48,887; and Vern Raaen, ORNL, placed third with a 48,786.

ALL CARBIDE BOWLING

The Oops team took command of the All Carbide Family Mixed League recently, grabbing the lead away from Team No. 2, who are now in second place. The Sasa's are in third place only two away from the top spot. Del Ducay recently rolled a scratch series of 593, Elaine Griffies a 572.

Y-12 BOWLING

The Classic League gives the top berth to the Markers, a scant margin ahead of the Bumpers, as the Eight Balls and All Stars stand near the top rung too. Sewell Brown rolled a 625 scratch series recently, and J.J. Sewell came close with a 617 series.

The C League sees the Mini Strikes two points ahead of the Sunflowers, with the Rollmasters rolling in third place. Bill Ladd's 684 series looks good in scratch rolling, as he reduced his handicap to a mere two pins a game!

The Splinters hang onto a half point lead in the Mixed League, inches ahead of the Alley Cats. The Cats are a mere two points ahead of the Rollers, who took the laurels in the first half.

SMALL BORE RIFLE LEAGUE

ORNL's Frank Barnes gleaned top honors in the Smallbore Rifle League, and the rifleers finished up their season. His 365.417 scratch average was followed by Y-12er Dick Spurling's 361.500. Y-12's Edward Johnson was third with 346.455. In handicap counting it was AECOP's H.A. Harrel with 384.927; Bill Davey, ORNL, with 384.782; and Larry Weston with 384.420.

CAMERA CLUB

March competition is for slides only, with the subject being portraits. Entries should have been turned in by March 9.

MANAGERIAL COURSE OFFERED

The University of Tennessee Evening School will offer "Managerial and Supervisory Concepts" in the Spring Quarter, beginning March 29. The 10-week course has a tuition of \$10 and will be taught by D.J. Vernine. It will be held from 7 to 9 p.m. on Thursday, and another section from 6:30 to 8:30 p.m. on Monday, at the Oak Ridge High School. Registration must be before March 21.

St. Patrick's dance to be held March 16

The Chemical Technology Division of Oak Ridge National Laboratory will sponsor its 23rd Annual St. Patrick's Day Dance March 16 at the American Legion Hall in Oak Ridge.

The program includes a social hour, 8-9 p.m., and the dance featuring "The Nineteenth Amendment," an all-girl band, 9 p.m. till 1 a.m. "Fun for all" entertainment and the awarding of door prizes will take place during intermission.

Advance tickets are \$3.50 each, and door admission will be \$4. For reservation call Al Rom, extension 3-1148.



PARK NATURE TRAIL — Two youngsters find tranquil beauty in the Clark Center Recreation Park where wild flowers are beginning to appear. A nature trail provides wild flower enthusiasts a giant laboratory in which to observe some of Tennessee's flora. An article on the Park will be forthcoming in the Nuclear Division News.

HI POWER RIFLE LEAGUE

The first match of the All Carbide High Power Rifle Tournament will be held March 17, at the Oak Ridge Sportsman's Association. Subsequent matches will be set April 7, May 12, June 2, June 23, and July 14. Any employee of Union Carbide is eligible to shoot in these matches. Interested shooters should call the Plant Recreation Department or the League Director, at extension 3-6095, Hugo Bertini.

CARBIDE BASKETBALL

With balanced attack the GBU's continue their relentless hold on the Atomic League. They shot the Pistols down recently by a score of 76 to 51. The Pistols began hot, but ran out of steam later in the game.

Atomic League standings:

Team	W	L
GBU's	12	0
CC 69ers	8	1
Springers	8	4
Pistols	6	5
K-25 Trojans	4	7
Sharpshooters	4	8
A-5 Bucks	3	7
Bottlenecks	3	8
Isomets	0	9

In the Nuclear League the Aardvarks added two new victims to their list, as they defeated the Butterfingers 45 to 34 and the Environmental Science five by 55 to 45.

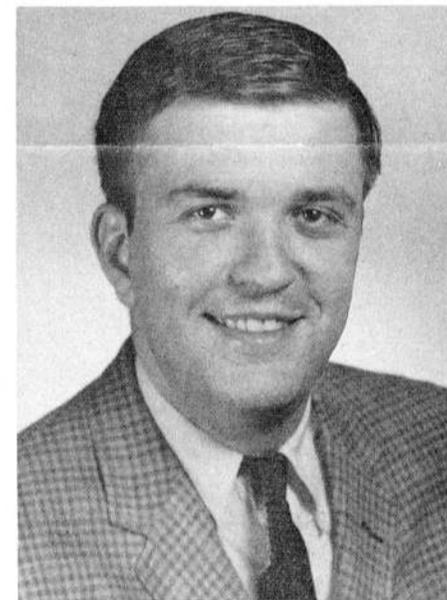
Nuclear League standings:

Team	W	L
Aardvarks	11	1
TAT Playmakers	7	1
Bombers	9	2
Grundy Express	6	5
X-10 Cafeteria	5	4
Environmental Sciences	4	7
Abends	3	7
Biology	2	8
Butterfingers	1	11

ALL CARBIDE BOWLING

Oak Ridge bowlers are warned that tomorrow, March 16. All entries, with fees, must be in Recreation's hands by 4:30 p.m. tomorrow.

Duff takes honors as coach-of-year



Coach Tommy Duff

Tommy Duff was recently named coach-of-the-year in the Knox Interscholastic League, as he led the West High School Rebels to a 20-4 record for the season.

Duff is the son of Mr. and Mrs. Curtis A. Duff, his father being employed in Y-12's Timekeeping Department.

A graduate of The University of Tennessee, Duff also attended Carson-Newman. He began his coaching career at Lenoir City, served as an assistant coach at Central and began coaching at West three years ago.

At West, Duff began his first season with a 13-10 record, and last year chalked up a 14-10 record.

"This has been my most enjoyable year of coaching," he stated, "and winning the award makes it even more so."

In addition to the KIL honor, Duff was more recently named coach-of-the-year by the Knoxville Basketball Coaches Association.

Each generation has to find out for itself that the stove is hot. —Mason City, Iowa, Globe-Gazette

Dietary fiber — colon diseases

By T. A. Lincoln, M.D.

There is an increasing evidence that fiber and unrefined carbohydrates play an extremely important role in maintaining the health of the colon. The effect may appear as early as adolescence. In developing countries, where a high fiber diet is standard from early childhood, appendicitis is almost unheard of. In the rich and allegedly healthy United States a great many bikini-clad adolescents on the summer beaches have trouble hiding the tell-tale scars of their appendectomies. Later in life cancer, diverticulosis, polyps, and even the irritable colon syndrome, are the prices we pay for our refined diet.



Before attempting to explain how diet causes colon disease, fiber or residue in the diet has to be defined. Residue is that portion of the diet not digested by the enzymes of the various intestinal juices which come from the stomach, liver and pancreas. This indigestible fraction is largely cellulose, hemicellulose, and lignin, and is also called crude fiber. This material is sometimes referred to as "roughage," or "bulk."

Fruits, vegetables, nuts, and some cereals, especially bran, contain considerable fiber. Bran is probably best known as the "laxative" cereal. We get it in especially prepared cereals, while people in poor countries often get it in their flour because of cruder milling methods. The fiber stimulates intestinal motility, partly because of its mechanical bulk and partly as the result of bacterial action. Cellulose and hemicellulose are broken down in the colon by bacteria to form fatty acids, which also have a stimulating action on the colon.

High fiber diets

People in rural Africa, India, and Asia consume large quantities of fruits, vegetables, and cereals, such as rice, beans, coarse bread containing considerable bran, sweet potatoes, yams, beans, plantains (a tropical fruit resembling the banana), cassava, millet and corn flour. They cannot afford refined sugars, which are a standard part of our diet. In fact, in the United States, the ratio of complex carbohydrates (vegetables, cereals, fruits, etc.) to simple carbohydrates (sugars and syrups in all forms) is now 70 per cent lower than in 1890. The consumption of corn products then was 16 times greater than it is now.

High fiber diets produce two to three stools a day, which are soft and bulky and remarkably free of odor. The reason for the lack of odor is the decreased amount of bacterial decomposition. The transit time of high fiber foods through the intestinal tract is much faster than low fiber foods. The high fiber diet may pass through in 24 to 36 hours, while the low fiber diet will take 72 to 89 hours.

Colon disease incidence

The different bacterial flora in people on a low fiber diet may have a profound

influence on carcinogen production. The bile salts may be broken down into carcinogens by bacteria in people who eat the "civilized" rich, low fiber, and refined carbohydrate diet common in Western countries. Carcinogens, regardless of their source, have a longer contact with the mucosa because the material moves through the intestinal tract so slowly. Although the mechanism is not clear, people who eat the Western diet, regardless of their genetic or national origin, have a high incidence of colon cancer. People who all their lives eat a high fiber diet rarely get colon cancer.

The colon diseases influenced by diet take an appalling toll in lives and disability. Cancer of the colon and rectum will kill about 47,000 people in the United States in 1973 and approximately 80,000 will have the diagnosis made and receive treatment. On the average, only about 45 per cent will survive five years.

Diverticulosis increases

Diverticulosis was almost unknown in 1900, and in 73 years it has become the commonest nonmalignant disease of the colon in western countries. Although various studies report different percentages, probably 25 to 40 per cent of adults over age 50 will have at least one diverticula and some will have many. At the Lahey Clinic, 294 patients with diverticulosis were followed for 15 years and 25 per cent developed diverticulum in the intestinal wall. It may eventually rupture, producing peritonitis.

Irritable colon is an extremely common diagnosis and many of these people eventually develop diverticulosis. Polyps are found in about five to seven per cent of routine proctosigmoidoscopic examinations of the colon. Appendicitis is common among adolescents and young adults. All of these diseases are rare in developing countries where the diet is rich in fiber and low in refined carbohydrates. The fat or protein content does not appear to be so important. When people migrate to the city or to other countries, and change their diet, they soon develop these diseases with the same frequency as the natives in the new location.

People in this country need to eat much more fiber and much less sugar. Luckily, many individuals in this area were born and raised in the rural South and have a tradition of eating many vegetables, especially greens, beans, sweet potatoes, and coarse corn meal. They should try to pass this tradition on to their children, rather than succumbing to their demands for a diet of hamburgers, french fries and cokes.

Adults who rebel at all the vegetables would do well to add a little bran to their diet. Bran muffins, bran bread, and bran cereal are actually delicious. Granola, which contains raw cereals, makes an excellent snack food. People who eat these foods will never have constipation and may prevent later colon diseases. Even patients who now have diverticulosis are being treated with high fiber diets. The former treatment was a bland, low residue diet, which makes little sense.

COMPANY SERVICE 20-25-30

ORNL
30 YEARS



Becker

Hudson



Moyers

Wallace



Ferguson

M. Carl Becker came from Louisville, Ky., to work for Tennessee Eastman in 1943. He works for the Instrumentation and Controls Division, but is assigned to the Thermonuclear Division at Y-12. Becker and Mary, his wife, live in Karns Community, Knoxville.

Ernest R. Ferguson, a native Knoxville, joined the Carbide staff in March, 1943. He enjoys fishing, camping and playing soft-ball in his spare time. He lives with his wife, Margie, at 2309 Sun Valley Road, Knoxville.

Ed D. Hudson, an engineer in the Physics Division, is originally from Chattanooga. He started work at Y-12 in 1943 in the Process Group. He and Marjory, his wife, live in Karns Community, Knoxville. They have a son, who attends The University of Tennessee, and a daughter.

Cecil E. Moyers is a design engineer in the General Engineering Division. He is one of the people responsible for designing shop drawings for the Graphite Reactor core. Moyers lives in Knoxville with his wife, Margaret, and enjoys playing golf.

Rubin C. Wallace started work for DuPont in March, 1943, and remembers testing for the water main as his first assignment. He and wife, Ila, live in Knoxville. Wallace fishes and attends sports events in his spare time.

ORNL
25 YEARS

Jess Burden, Arthur D. Horton, Morris F. Phillips, Liane B. Russell, Walter K. Russell and Frank V. Williams Jr.

20 YEARS

George W. Allin, Nicholas O. Case, Jasper B. French and Carl W. Martin.

PADUCAH
20 YEARS

Henry H. Renfroe Jr., Guthrie L. Cecil, William P. Whalen, Lawrence E. Hayden, Joseph E. Russell and Cloyse W. Parker.

ORGRP
25 YEARS

Margaret Cox, Billy Carruth and Joseph B. Harvey.

20 YEARS

Edward V. Blankinship.

Y-12 PLANT
25 YEARS

Varnard F. Carr, Rembert Harris, Clifford W. Taylor, Simuel J. Hudgins, Carl S. Melton and Ery M. Spencer.

20 YEARS

Walter K. Fulbright, Norman E. Morgan, Floy A. Wells Jr., Harry L. Bradley, Robert E. Baker, Donald E. Bell, Jerome Cogswell, William C. Ward, Brandt Kuperstock, Johnnie L. Riddle, John W. Smith, Clarence R. Eichelberger, Stephen J. Adamski and Wanda S. Hawn.

30 YEARS



Hemphill

Leo F. Hemphill, Mechanical Engineering in Y-12, thought he was going to Rochester in 1943 to work for Tennessee Eastman. Instead, he ended up in California in special training, then transferred to the hills of Tennessee. He hired in March 22, 1943, and holds the lowest earned badge number in Y-12.

Hemphill, a native of Chicago, lives at 75 Outer Drive, Oak Ridge. He and his wife, Elinor have five children. He is a graduate of Armour Tech, Illinois Institute of Technology.

LITTLE GIRL

Little girl, if you are old enough to take The Pill, if you know what life's all about, then it's time for you to start having a Pap test regularly for cancer of the uterine cervix. It's the best way to safeguard against this form of cancer, says the American Cancer Society.

150164

CALENDAR of EVENTS

TECHNICAL

March 15-16

Symposium on Advanced Analytical Methods in the Clinical Laboratory. East Auditorium, Building 4500N, 9 a.m.

March 16

Chemistry Division Seminar: "The Wankel Engine - Fact and Fallacy," E.C. Hise, Reactor Division. Central Auditorium, Building 4500N, 3 p.m.

March 21

Metals and Ceramics Division Seminar: "LMFBRs - Status and Outlook," W.O. Harms. East Auditorium, Building 4500N, 2:45 p.m.

Chemical Technology Division Seminar: "Clean Fuels from Coal," R. Salmon and J.M. Holmes. Central Auditorium, Building 4500N, 3 p.m.

Biology Division Seminar: "The Oncogenic Properties of Herpes Viruses," Fred Rapp, Department of Microbiology, Hershey Medical Center. Tower I Conference Room, Building 9207, Y-12, 12:15 p.m. (Cancer Research Seminar).

March 22

General Engineering Division Seminar: "Tennessee-Tombigbee Waterway," Harry A. Griffith, U.S. Army Corps of Engineers. East Auditorium, Building 4500N, 1:30 p.m.

March 22-23

Topical Conference on Atomic and Molecular Studies at ORNL: East Auditorium, Building 4500N, 8:45 a.m.

March 27

Mathematics Division Seminar: "Fast Walsh Transform" (FWT), Prof. W.R. Wade. East Auditorium, Building 4500N, 10:30 a.m.

March 28

Chemical Technology Division Seminar: "Hot-Cell Studies of HTGR Reprocessing," R.S. Lowrie. Central Auditorium, Building 4500N, 3 p.m.

April 4

Chemical Technology Division Seminar: "Separation of Oligonucleotides by Reversed-Phase Chromatography," B.Z. Egan. Central Auditorium, Building 4500N, 3 p.m.

April 5

ORNL Bi-Monthly Staff Colloquium: Jefferson Junior High School. (ORNL badge required for admission.)

COMMUNITY

March 16-17

Oak Ridge Playhouse presents: "Mary, Mary." Playhouse, 8:20 p.m. Admission: adults \$2.50; students \$1.25.

March 18

Art Center Film Club presents: "Week-end." France, 1968. Jefferson Junior High Auditorium, 8 p.m. Admission: adults \$1.50; students \$1.

March 24

Oak Ridge Civic Music Association presents: The Hamburg Wuehrer Chamber Orchestra chamber series. Admission: adults \$4; students \$2.

March 30

Women's Guild Dinner Dance. Oak Ridge Country Club, 6:45 p.m. (Reservations by March 27.)

March 30-31

Oak Ridge Civic Ballet Association presents: Guest artists, Judy Joseph and Ken Brelsfoard of Brelsfoard Dance Theater of Chicago. Oak Ridge High School Auditorium, 8:15 p.m. Admission: adults \$3; students \$1.50.

March 31

Junior Playhouse presents: "The Legend of Sleepy Hollow." Oak Ridge Playhouse, 1 and 3 p.m. Admission: \$.75. (Other performance April 1.)

Civilization, in a sly way, is a suspicion that the other fellow may be right. —Charles McCabe

Division deaths

Peter C. F. Castellani Jr., died February 28. He was a research associate in the Molecular Anatomy Program of Oak Ridge National Laboratory.



Mr. Castellani

Mr. Castellani received B.S. and M.S. degrees from Stetson University, Deland, Fla. He worked at Johns Hopkins Hospital, Baltimore, Md., and the Ames Research Center of the National Aeronautics and Space Administration in California before joining the ORNL staff in 1967.

Survivors include his wife, Mrs. Mary Castellani, 103 Devon Lane, Oak Ridge; three sons, Peter C.F. Castellani III, Paul E. Castellani and Michael P. Jordan; two daughters, Catherine A. Jordan and Suzanne M. Jordan; two brothers and a sister.

Funeral services were held March 2 at St. Stephen's Episcopal Church, with the Rev. Manney C. Reid officiating. Burial followed in Anderson Memorial Gardens.

RETIRED ORNL BLACKSMITH

Miller G. Lamb, retired ORNL blacksmith, died February 26. Mr. Lamb worked for Carbide from 1943 to 1969. Survivors include his wife, Mrs. Janie Lamb, two sons, two daughters, one brother, one sister, seven grandchildren and one great grandchild. Funeral services were held at Weaver Home Chapel on the Oak Ridge Highway. Burial followed at Bishopville Cemetery, Heiskell.

'Contact' volunteers will be sought out

Sunday, March 18, is Contact Sunday. What is Contact? Contact is a telephone counseling service provided by trained religious volunteers on a 24-hour-a-day, seven-day-a-week basis.

Recruitment of potential telephone counselors is being conducted now with the intent of starting training in April. The training will cover theology, psychology, and counseling in weekly two-hour sessions. The training course is free and there is no obligation after completion to become a counselor.

If interested, you may register Sunday at your church in Oak Ridge, or you may contact Roy Vandermeer, Oak Ridge telephone 483-6149, or Ron Taylor, 483-9548.

James White named planner - estimator

James E. White has been named a planner and estimator in ORGDP's Development Maintenance. He came with ORGDP 21 years ago, after serving as an instructor at Tennessee Institute of Electronics.



White

A native of Lake City, he attended public school there and also attended the Devry Technical Institute, Chicago. Mrs. White is the former Elizabeth Conner. They live at 136 Pembroke Road, Oak Ridge, and have three sons, Larry, in medical school; Steve and David, at home.

He enjoys spectator sports, especially basketball.

GETTING IT ALL TOGETHER

A complete checkup once a year — including important cancer tests — is the best way to protect your health, says the American Cancer Society.

QUESTION BOX

(Continued from page 1)

"The average straight-time monthly earnings during the final five years shall include such earnings in the months of the year in which retirement occurs, in the four preceding calendar years, and, for any months within the fifth preceding year, the average of the straight-time monthly earnings in such year."

Now, concerning your 4th question:

In nearly every case an employee's earnings level is highest during the latter years of his employment, which means that the pension plan formula given above provides maximum benefits. However, if an employee feels that the application of the formula is unfair in his individual case due to an unusual earnings pattern, he should discuss this matter with his benefit plans office.

QUESTION: Is Carbide's Pension Plan subject to income tax to a retiree?

ANSWER: When part of the benefits from a retirement or pension plan have been purchased with an employee's money, a portion of the benefits may be excluded in computing income taxes. This is the case with payments under UCC's Contributory Retirement Plan. However, since UCC's Pension Plan is a noncontributory zone, all payments to a retiree under that plan are subject to income taxes as ordinary income.

FORMER UTILITY OPERATOR

Elwood B. Cox, former utilities operator in Y-12, died at his Heiskell home, February 25. Mr. Cox had worked with Union Carbide for 29 years before his early retirement last year. Survivors include his wife, two daughters, and three grandchildren. Funeral services were held at Bethel Baptist Church, with burial in Norris Memorial Gardens.

Investors to meet

The East Tennessee Council of the National Association of Investment Clubs will meet next week. They are scheduled to meet Tuesday, March 20, at 7:30 p.m. at the Knoxville State Area Vocational School, 110 Liberty Street.

Sam Kirkpatrick, vice president of Tennessee Securities, Inc., will speak on "Problems of Going Public and the New Issue Market."

FORMER ORGDP MAN DIES

Walden Hamer (Pete) Taylor, who retired in 1968 as a shift superintendent in the Oak Ridge Gaseous Diffusion Plant, died February 27 at a Tampa, Fla., hospital. Survivors include his wife and three sons, two daughters, and seven grandchildren. Memorial services were held at Tampa, and Mr. Taylor donated his body to science.

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