

THE WINGFOOT CLAN

GOODYEAR ATOMIC CORPORATION

Portsmouth Area Gaseous Diffusion Plant

A Subsidiary of THE GOODYEAR TIRE & RUBBER COMPANY

VOLUME X

PIKETON, OHIO, WEDNESDAY, AUGUST 14, 1963

NUMBER 22

Family Fun

Stambaugh Records Total Solar Eclipse While Vacationing

At Artee Lake near Jackman, Maine, July 20, Mother Nature put on a dramatic show with thousands looking on. The main actors — the sun and the moon — played their parts to perfection in a magnificent performance of the long-awaited "Solar Eclipse."

Among the thousands viewing "nature's wonder" was R. B. Stambaugh, development laboratory subdivision, his wife, Sally, and son, Ricky.

The Stambaughs chose this particular date and place to take a vacation in order to observe and record the total eclipse of the sun.

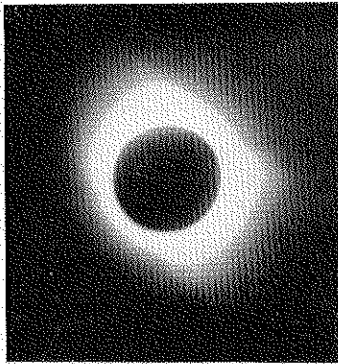
At the lake, they selected a beach facing west where Stambaugh set up his equipment. He used a large camera of 24-inch focal length for black-and-white photographs of the total eclipse; a roll film camera for a multiple exposure sequence of the entire eclipse; and a 16 mm movie camera and two 35 mm cameras with color film, one of which had interchangeable lenses.

Here is Stambaugh's account of the eclipse in his own words.

"To follow the progress of the eclipse, we used sun glasses over which double thicknesses of exposed photographic negatives had been cemented. We also used a projection box — a large cardboard box having a small telescope mounted through a hole on one end so as to project an image of the sun on the other side of the box. By peering through an opening below the telescope, a clear bright image of the sun about 1½" in diameter could be seen,

changing from a disc to a narrow crescent as the eclipse progressed.

"A number of people gathered on



TOTAL ECLIPSE

407.45 MPH Average Speed

'Spirit Of America' Sets World Speed Record

Craig Breedlove, 26-year-old Los Angeles jet car pilot, has become the world's fastest man on wheels.

He drove his three-ton streamliner, "Spirit of America," August 5, at an average speed of 407.45 miles per hour in two runs over a measured mile on the Bonneville Salt Flats in Utah.

Breedlove broke a 16-year-old record of 394.196 mph, set by the late John Cobb of England. Goodyear and the Shell Oil Company, sponsors of the run, have asked the United States Auto Club timers to submit their records for certification

the beach apparently as curious about what we were doing as they were about the eclipse itself. Fortunately, no one tripped over a tripod or stepped on a lense. There were many fluffy clouds in the sky as well as quite a bit of haze. As eclipse time approached we were very much concerned about missing the total. Fortunately, the skies cleared shortly after the partial began and viewing was excellent for the rest of the afternoon. I took a series of pictures of the same landscape scene, periodically, during the partial phases without changing the settings on the camera so that the progressive darkening

(Continued on page 4)

as an official world land speed record.

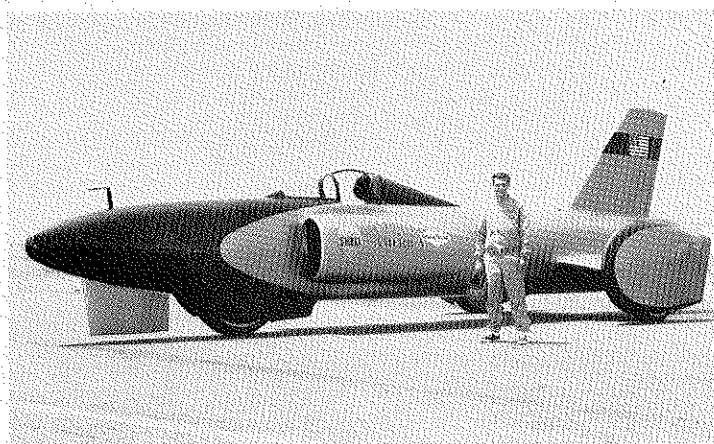
In 1960, Mickey Thompson came closest to a new speed record with a one-way run of 406.6 mph, but failed to qualify for the record when mechanical failure prevented a return run.

Resembling a wingless F-104 jet plane, Breedlove's car measures 35 feet long, 11 feet wide and 10 feet tall at the tail fin. It is powered by a J-47 engine such as that used on an Air Force B-45 bomber, and generates about 4,250 pounds of thrust. One pound of thrust approximates one horsepower at 375 mph, and more at higher speeds.

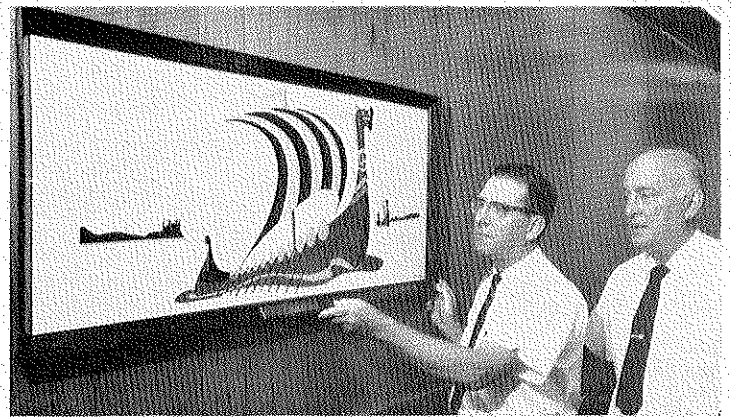
The car's smooth-tread tires were laboratory-proved by Goodyear engineers at more than 600 mph, fastest speed any tires have traveled. Each tire is four feet high and eight inches wide. Carrying an inflation pressure of 295 pounds, they have such a low profile that they measure only 4½ inches from wheel to ground.

Aircraft-type, rear wheel brakes designed by Goodyear's Aviation Products Division were used for braking at low speeds. High-speed braking was controlled by drag chutes.

The "Spirit of America" reached speeds of 300 mph on the Salt Flats last year, but no attempt was made to approach its full speed potential. It was returned to Los Angeles for modifications following the 1962 test program.



FLYING LOW — This sleek jet car, "Spirit of America," and its owner Craig Breedlove of Los Angeles, broke the world's land speed record at the Bonneville Salt Flats in Utah on August 5. The 35-foot-long vehicle, sponsored by Shell Oil Company and Goodyear, averaged 407.45 mph in two runs over a measured mile, and surpassed the record of 394.196 mph set by the late John Cobb in 1947.



THE GAT FOREMEN'S CLUB, on July 30, presented two unique Murals to Goodyear Atomic Corporation for its encouragement and support to the Club. The pictures were presented to General Manager G. H. Reynolds, by F. E. Pickens, Foremen's Club President, on behalf of all employees who contributed to the Company's success during its first ten years of operation. In this photograph, the Club President and General Manager view one of the Murals after it had been mounted in the Top Secret Conference Room.

Sales Achieve New High; Second Highest In Earnings

Goodyear achieved the highest sales and the second highest earnings in its history for the first six months of 1963 reported E. J. Thomas, chairman of the board.

Consolidated net sales for the first half of 1963 amounted to \$827,030,000, compared to \$782,960,000 for the 1962 first half, an increase of 5.6 per cent.

Net income for the first six months of 1963 was \$38,918,000, compared with \$34,648,000 for the same period last year, an increase of 12.3 per cent. First half earnings were equal to \$1.11 a share, compared to \$.99 for the same number of common shares in 1962.

Profits for foreign subsidiaries included in consolidated net income totaled \$12,257,000 after provision of \$3,100,000 for devaluation of assets in foreign countries brought about by currency devaluation. Profits for foreign subsidiaries in the first six months of 1962 totaled \$9,415,000, after devaluation losses of \$6,456,000.

Thomas reported second quarter sales totaled \$434,763,000, compared to \$412,165,000 in the 1962

second quarter, an increase of 5.5 per cent, and an increase of 10.8 per cent over the \$392,267,000 sales in the first quarter of 1963.

Goodyear profits in the second quarter of 1963 were \$22,285,000, an increase of 18.5 per cent over the \$18,807,000 earned in the second quarter of 1962, and up 34 per cent from the \$16,633,000 net income for the first quarter of 1963.

Earnings for the second quarter were equal to 63 cents per share compared to 54 cents per share on the same number of shares in 1962.

The Board of Directors also declared a regular quarterly dividend of 25 cents per share on common stock, payable Sept. 16, to stockholders of record Aug. 15.

If you haven't bought a bond yet, we're one bond short.

That's right! The Freedom Bond Promotion is for all of us — it's every family's invitation to share in America with an extra U. S. Savings Bond.

Bonds keep America strong. Every penny you put into them goes to work for freedom, and for your own security. There's nothing safer, nothing more guaranteed than Savings Bonds.

Help keep freedom in your future, with U. S. Savings Bonds by payroll deductions.

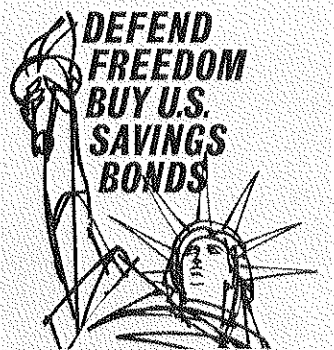
Johnson Promoted By Goodyear Akron

C. A. Johnson, M.D., a former staff physician with the GAT Hospital, has been named assistant medical director for The Goodyear Tire & Rubber Company. The announcement was made by Goodyear's medical director, Dr. L. C. Hatch.

Dr. Johnson was employed by Goodyear Atomic Corporation from 1954-57. He has been on the Plant 1 hospital staff in Akron since 1957.

He is a graduate of the College of Idaho, Caldwell, Idaho, and Creighton University's School of Medicine, Omaha, Nebraska.

Dr. Johnson and his wife, Hazel, now reside at 3352 Pendleton St., Cuyahoga Falls, Ohio. The couple has six children.



35-Year Members

360 Years Total Service

In surrounding communities, the names of Hochberg, Nance, Taylor, Arndt, Crow, Stoops, Jenkins, Brown, Doner, and Reynolds are synonymous with Goodyear Atomic Corporation. Each of these men share one thing in common — all are members of the Company's "35-year Club" and have a combined total of 360 years of continuous service with Goodyear.

The majority of the 35-year members at Goodyear Atomic Corporation played an important part in the growth of Goodyear throughout the nation — and the world.

The "Dean" at GAT is L. D. Hochberg, production shift superintendent. He joined the organization on October 26, 1925. He has helped start five plants during his Goodyear career — Argentina, Java, Woonsocket, R. I., New Zealand, and Goodyear Atomic. He assisted in the changeover of the New Bedford, Mass., plant from textile to rubber production.

R. J. Nance, shops maintenance superintendent, joined Goodyear on February 26, 1926. His Goodyear assignments have included operations in Java; Wingfoot Homes in Arizona; Goodyear Aircraft (now Aerospace), Akron; and the New Bedford plant; in addition to Goodyear Akron.

W. H. Taylor, who joined Goodyear on March 28, 1927, is superintendent of engineering development. Most of his career has been in research. He has worked in the rubber phase of Goodyear's operation, Goodyear Zeppelin research, and the atomic energy field.

J. R. Arndt joined the organiza-

tion on June 20, 1927, as a member of the staff training group. Following this training he completed several staff assignments in the personnel division. He then transferred to the newly formed Goodyear Zeppelin Corporation where he played an important part in the early design and development of Goodyear's lighter-than-air ships, the Akron and Macon.

L. M. (Par) Crow is a graduate of the Company's production squadron. He joined the Company on December 1, 1927. Following his graduation from the squadron, he traveled about the United States as a member of Goodyear's advertising department. Later, he was assigned to Florida and associated with various Goodyear retail stores. During World War II, he was reassigned to Akron in the production section of the synthetic rubber plant.

Two members of GAT's "35-year team" joined The Goodyear Tire & Rubber Company just seven days apart. H. H. Stoops, supervisor of standard practice, joined the Company on January 24, 1928. C. L. Jenkins, manager, purchasing & materials division, joined Goodyear on January 31, 1928.

Stoops has worked in Goodyear's interplant relations and Goodyear Aerospace purchasing department in Akron. Prior to transferring to GAT, he was assistant manager of merchandise distribution for Goodyear International Corporation.

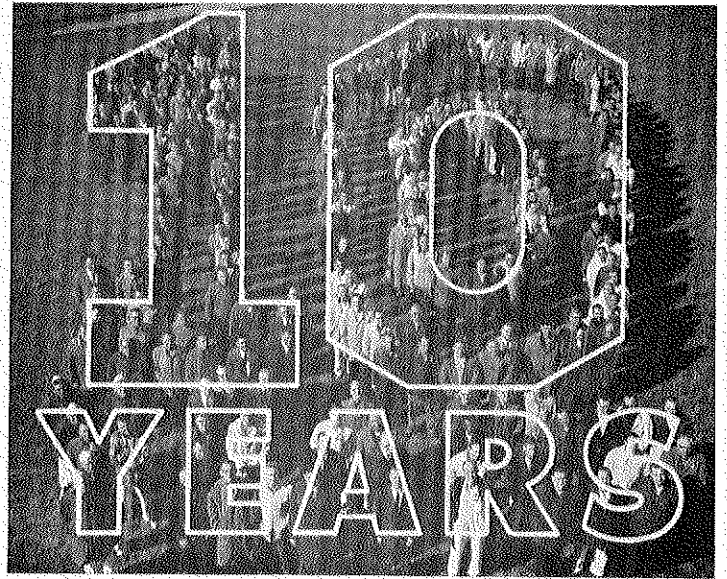
Jenkins' domestic assignments have been in Akron; Jackson, Mich.; Goodyear Aerospace; and Gadsden, Alabama. In addition, he was purchasing manager for the Goodyear Plant in Brazil.

W. A. Brown, manager of plant engineering & maintenance, joined Goodyear on March 4, 1928. His assignments have been in Akron; Gadsden, Ala; and Windsor, Vt.

D. W. Doner, manager of the industrial relations division, first became a member of the Goodyear team on June 13, 1928. A graduate of the production squadron, he has been a production supervisor at Goodyear Akron; production supervisor at Goodyear's Jackson, Mich., plant; interviewer at Goodyear Aerospace; personnel manager of the Ulrichsville and Millersburg subplants; efficiency department at Goodyear Akron; and personnel manager for Plant C in Akron.

G. H. Reynolds, general manager, joined The Goodyear Tire & Rubber Company on July 30, 1928, following his graduation from the Massachusetts Institute of Technology. His assignments have included being a foreman in the tire section at Goodyear Akron; division superintendent, Goodyear Australia; general foreman, Goodyear Aerospace in Akron; manager Plant 5 in Akron; and manager of the vinyl plastics division at Goodyear Aerospace in Akron. He transferred to GAT as deputy general manager and manager of the production division. He assumed his present position, on September 1, 1960, as general manager.

These ten employees typify the personnel that make up the Goodyear organization. Their training, experience, and devotion to the Goodyear philosophy explains why Goodyear is a worldwide industrial leader.



The following employees complete ten years continuous service with Goodyear Atomic Corporation on the date indicated:

W. C. McCluggage	Dept. 531	August 3, 1963	Waverly
V. O. Ramsey	Dept. 422	August 3, 1963	South Webster
R. B. Arnett	Dept. 851	August 10, 1963	Portsmouth
W. L. Collins	Dept. 853	August 10, 1963	Waverly
W. R. Dials	Dept. 851	August 10, 1963	Portsmouth
H. T. Fannin	Dept. 852	August 10, 1963	Lucasville
H. E. Frazier	Dept. 851	August 10, 1963	Portsmouth
Helen Lewis	Dept. 211	August 10, 1963	Portsmouth
E. G. McClay	Dept. 111	August 10, 1963	Lucasville
J. F. Newman	Dept. 851	August 10, 1963	Portsmouth
O. G. Nice	Dept. 711	August 10, 1963	Piketon
W. H. Pyles	Dept. 851	August 10, 1963	Portsmouth
L. M. Woolum	Dept. 856	August 10, 1963	Jackson
E. C. Bender	Dept. 858	August 17, 1963	Lucasville
A. J. Blair	Dept. 712	August 17, 1963	Jackson
J. M. Boggs	Dept. 212	August 17, 1963	Waverly
W. J. Curry	Dept. 724	August 17, 1963	Piketon
J. L. Evans	Dept. 712	August 17, 1963	Sciotoville
W. G. Farmer	Dept. 374	August 17, 1963	Jackson
W. S. Fleshman	Dept. 858	August 17, 1963	Portsmouth
D. G. Gastelle	Dept. 852	August 17, 1963	Sciotoville
C. W. Johnson	Dept. 527	August 17, 1963	Portsmouth
W. O. Knauff	Dept. 111	August 17, 1963	Portsmouth
D. J. Long, Jr.	Dept. 819	August 17, 1963	Lucasville
J. I. Newman	Dept. 712	August 17, 1963	Wheelerburg
J. C. Parker	Dept. 711	August 17, 1963	Portsmouth
Lela Richey	Dept. 701	August 17, 1963	Portsmouth
C. E. Riggan	Dept. 535	August 17, 1963	Chillicothe
R. F. Rooker	Dept. 712	August 17, 1963	Chillicothe
M. D. Wickline	Dept. 858	August 17, 1963	Jackson
J. F. Feuerbacher	Dept. 531	August 18, 1963	Jackson
R. F. Jones	Dept. 203	August 24, 1963	Chillicothe
J. R. Peters	Dept. 732	August 24, 1963	Chillicothe
F. E. Pickens	Dept. 224	August 24, 1963	Chillicothe
C. L. Adams	Dept. 732	August 31, 1963	Lucasville
R. G. Brewer	Dept. 111	August 31, 1963	Vanceburg, Ky.
B. J. Huddle	Dept. 712	August 31, 1963	Portsmouth
O. Jenkins, Jr.	Dept. 712	August 31, 1963	Waverly
K. F. Koons	Dept. 712	August 31, 1963	Waverly
H. L. McFarland	Dept. 712	August 31, 1963	Portsmouth
W. Osborne	Dept. 712	August 31, 1963	Lucasville
C. F. Ray	Dept. 427	August 31, 1963	Jackson
R. L. Smith	Dept. 711	August 31, 1963	Lucasville
C. F. Sparks	Dept. 813	August 31, 1963	Piketon
H. S. Spring	Dept. 552	August 31, 1963	Chillicothe
C. Thompson	Dept. 712	August 31, 1963	Waverly



360 YEARS WITH GOODYEAR are represented by these Goodyear Atomic employees. Displaying the Goodyear flag imprinted with the domestic and foreign plants they have represented are from left: J. R. Arndt, Shift Superintendent Coordinator; L. M. Crow, General Foreman, Production Division; W. H. Taylor, Superintendent, Engineering Development; C. L. Jenkins, Manager, Purchasing & Materials; D. W. Doner, Manager, Industrial Relations; W. A. Brown, Manager, Plant Engineering & Maintenance; L. D. Hochberg, Plant Shift Superintendent; G. H. Reynolds, General Manager; R. J. Nance, Superintendent, Shops Maintenance; and H. H. Stoops, Supervisor, Standard Practice. Each employee has over 35 years of continuous service with The Goodyear Tire & Rubber Company.

In Appreciation

The Clan office received the following note from E. H. Hill, former member of the carpenter & paint shop. Mr. Hill has been confined to his home by illness for several months. He underwent major surgery on May 28, 1963.

"My thanks to everyone at Goodyear Atomic who contributed time and money in my behalf during my illness and recent hospitalization. Your thoughtfulness is very much appreciated. Thanks to each one of you from the bottom of my heart."

/s/ Ervin Hill

Challenge Of Communism

COMMUNISM is freedom's DEADLY ENEMY!

Communists try to create the impression that they are concerned with the welfare of the world's poor and unfortunate. But in fact, they are aggressive, militaristic, and imperialistic. Under Communism, the average man would lose his freedom and would become the slave of a dictatorial and ruthless state.

Today, one of the most talked about subjects is Communism. Millions of words have been written and said about the evils of Communism. There is Communist activity in every part of the world — from the Near East to Southeast Asia, from Africa to South America. **AS COMMUNISM HAS SPREAD — ITS CHALLENGE TO THE FREE WORLD HAS BECOME CRUCIAL.**

Communist governments control over 1 billion people — over 30 percent of the world's population. This compares with 18 known Communists in 1903, 40,000 at the time of the Russian Revolution in 1917, and 400,000,000 as late as 1950. At the same rate of growth, they could take over most of the world by 1965.

HOW DO COMMUNISTS GAIN CONTROL OVER SO MANY PEOPLE? WHAT DO THEY SAY? WHAT DO THEY DO?

Goodyear Atomic employees, in the near future, will receive the answers to these questions. The training department is now preparing a three session course entitled, "The Challenge of Communism." The program, scheduled to be presented this fall, will be available to all employees — both hourly and salary.

Communists promise many things including freedom, absolute equality, and a high standard of living. But a basic understanding of how the works will prove these promises to be false.

All of us should look forward to an interesting and informative presentation by the training department.

SAFETY — A WORD To Some — A MARK OF DISTINCTION To Others

Like "Old Man River" — W. S. Fleshman and A. P. Romero just keep "rollin' along." In their case, and in reference to the Safety Slogan and Safety Caption Contest, they just keep "winnin' along."

Fleshman, who is a member of the chemical operations department, was a consistent winner in the early stages of the slogan contest — lost his touch for awhile—but evidently is back on the winning track. He submitted the winning slogan in the August Contest.

Fleshman presented the following slogan:

**SAFETY
A WORD TO SOME
A MARK OF DISTINCTION
TO OTHERS**

Another prominent name among safety slogan winners cropped up in the August Safety Caption Contest. The name of Romero — A. P., an employee of the special analysis department. He submitted the following caption:

**SEE
BEFORE
YOU
SAW**

An oddity occurred in the Caption Contest. Jack Lang, mass spectrometry department, submitted the same caption as the winning caption. However, Romero's entry carried the date-stamp of June 25 — Lang's July 5.

Interest has increased considerably in the Safety Contests the past several weeks. Forty-two slogans and 109 captions were considered in the August contest.

THINK YOU'RE LUCKY?

Luck alone won't keep mishaps away!
Why trust Fortune — an idol of clay?
The old-timers have learned
That our safety is earned!



Shoemaker Ranks First In Class From USAF School

James R. Shoemaker II, son of J. R. Shoemaker, laboratory services, graduated last month from the Air Force's Dental Technician School, at the Air Training Command Service School, Gunter, Ala.

Shoemaker, who is an Airman First Class, graduated with honors, maintaining a 96.3 grade average, ranking him first in the class. His average was the highest ever attained in the history of the course.

Airman Shoemaker has been in the Air Force for six years. He completed basic training at Lackland Air Force Base, Texas. Following basic training, he completed a three-year tour of duty in France and England.

He is a graduate of Portsmouth High School and also attended Ohio State University.

Airman Shoemaker, and his wife, Emerald, have two children — James Dale and Julianne Rae.

The family now lives in Rantoul, Illinois, where Airman Shoemaker is stationed at Chanute Field.

New Arrivals

Mr. and Mrs. E. J. Jennings, (police department), daughter, Ruth Ann.

Mr. and Mrs. J. A. Brunner, (utilities maintenance department), daughter, Sandra Kay.

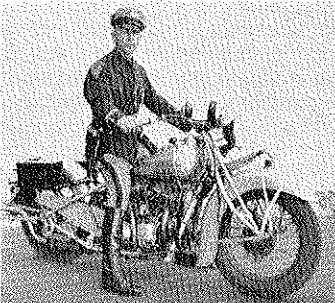
Mr. and Mrs. W. J. Donahue, (fire department), son, Kenneth.

Mr. and Mrs. Carl Bishop, (process area 1), son, Richard.

Mr. and Mrs. G. W. Pelfrey, (process area 5), daughter, Pamela Kay.

Mr. and Mrs. E. F. Marsh, (cascade coordination department), daughter, Tamara.

Know Who This Is?



TURN TO PAGE 4

HERE AND THERE IN THE NUCLEAR FIELD

The Atomic Energy Commission has selected Burns and Roe, Inc., New York City, for negotiation of a contract to perform a feasibility and economic study of a light water reactor system to furnish the energy for a combination electric power and process steam plant. The process steam would be used in connection with a sea water conversion unit.

The work to be performed by Burns and Roe is part of an overall study, being conducted in cooperation with the Department of Interior, of the feasibility of a combined thermal-electric and sea water desalting plant to be located in the Florida Keys area.

The Atomic Energy Commission has received reports from its Advisory Committee on Reactor Safeguards concerning two power reactors and one research reactor. They are:

1. The Pathfinder Atomic Power Plant of the Northern States Power Company. Construction of this boiling water reactor is nearing completion near Sioux Falls, S. D. The facility will have a net electrical capacity of 58,500 kilowatts and will use nuclear superheating. Saturated steam, formed in the boiling region of the reactor core, will be recirculated to flow through a superheater region of the same reactor core and will be converted to superheated steam before going to the turbine-generator for conversion to electrical energy. The higher temperatures of superheated steam will result in increased turbine efficiency.

2. The Yankee Atomic Electric Company power reactor located near Rowe, Mass. Yankee plans to refuel its pressurized water reactor with a third core of nuclear fuel elements this fall. Some of these fuel elements will have a higher enrichment of

uranium 235 for longer core life. Boric acid will be used in the coolant during operation of the reactor to supplement the control rods in controlling reactivity in the core.

Goodyear Atomic Corporation provided one-half of the first core of nuclear fuel elements in 1959 — all of the second core in 1961, and all of the third core in 1962. The value of the material provided by GAT is approximately \$20 million.

3. The Lockheed Radiation Effects Reactor, located on an Air Force site in Dawson County, Georgia, about 45 miles northeast of Atlanta. The reactor is being operated by Lockheed Aircraft Corporation to perform irradiation work. The license presented permits operation at a maximum power level of one thermal megawatt. Lockheed has applied for an amendment to its license to permit operation at a maximum power level of three thermal megawatts.

The Atomic Energy Commission has approved a new agreement with Atlas Corporation for the consolidation of the Atlas and Texas-Zinc Minerals Corporation uranium procurement contracts. Atlas has purchased Texas-Zinc Minerals Corporation, and the AEC-Texas-Zinc Contract will be terminated. Texas-Zinc operates a uranium processing mill at Mexican Hat, Utah, and Atlas operates one at Moab, also in Utah.

The Atomic Energy Commission has removed limitations on sales of neptunium-237 and americium-241 for use by industry. Until July 31, not more than ten grams of each isotope has been made available to any one radioisotope license for domestic use or for export.

Because of technical difficulties it will not be possible to execute Project Coach at the Atomic Energy Commission's Carlsbad, New Mexico, site during 1963.

Project Coach is a planned scientific experiment using a nuclear device to produce neutron-rich isotopes of known transplutonium elements and, possibly, elements heavier than those yet discovered. It is a part of the AEC's Plowshare program for the development of peaceful applications for nuclear explosives.

IN MEMORIAM

Mrs. Ann Thompson Poole, 89, died July 18, 1963, at her home in Lockport, New York.

A son, George A., is in the purchasing department.

Mrs. Gladys O. Smith, 55, died July 27, 1963, in Columbus, Ohio.

A son, Paul E., is in the surplus & salvage sales department.

Mrs. Emma Florence Sisler, 70, died August 7, 1963, at Mercy Hospital, Portsmouth, Ohio, following an extended illness.

A son, Donald, is in the sheet metal shop.

Last month, at the regular Board of Directors meeting, Maurice Trowbridge, AECU president, was presented a gavel in appreciation of his leadership to the Credit Union.

The policy regarding limitations on the amount of loans has been liberalized. Further information may be obtained by contacting the Credit Union office, south wing, X-100 building.

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Water Safety Chairman

Jim Johnson Kept Busy As Instructor

Jim Johnson, sheet metal shop, has, for the past several summers, taught hundreds of individuals to swim. He is a dedicated volunteer in the American Red Cross Water Safety Program.

Currently, he is Water Safety Chairman for Jackson County. The Water Safety Program in Jackson County is included in the Scioto Area Chapter with headquarters at Portsmouth. Roger Monk, a former GAT employee, is Chairman for the Scioto Area Chapter.

The Water Safety Instructor Course alternates each year between Scioto and Jackson Counties. Last year (1962), the course was taught at the Terrace Club Pool in Portsmouth. This year classes are held at the Margaret Ann Pool in Oak Hill.

Johnson estimates that he will average 300-400 hours of instructor time during the summer.

Since 1914, the American Red Cross has carried on a program of water safety with the primary purpose of reducing drownings by developing skill and knowledge that will contribute to safety in, on, and about the water.

Since the program was inaugurated, it has grown steadily. During the first 20 years, 1,000,000 certificates were issued for completion of life-saving and swimming courses. By the 20th anniversary the number of certificates totaled some 3,000,000. By the 45th anniversary the total was more than 18,900,000.

"No one knows how many lives have been saved or accidents averted because of this program," states Johnson, "but there is no question that this program, together with efforts of other agencies, has helped cut the drowning rate in this country from 10.5 per 100,000 in 1914 to 3.7 in recent years. This program," continued Johnson, "has made it possible for millions to engage safely in healthful and enjoyable aquatic recreation."

To complete the entire Red Cross Water Safety Course requires a total of 47 hours of actual instruction in

the water and home study.

On the job — it's sheet metal man Jim Johnson. In his community it's Instructor Jim Johnson, with a sincere desire to make his community a better place in which to live — AND SAFER!



JIM JOHNSON
American Red Cross Water Safety Chairman — Jackson County

CLASSIFIEDS

FOR SALE

Bowman Boat (16') All the hardware. 35 HP CB Motor. Electric Starter. \$300. Telephone Waverly 947-5312.

Western type saddle (medium size). New condition with bridle, blanket and other decorations. \$60. Record player, VM Automatic changer with GE Reluctance Cartridge. Seven watt Heath Amplifier and 12" speaker. \$20. 7.65 MM Model 1891 Mouser Rifle. NRA. Very Good Condition. \$20. Telephone Chillicothe 772-1505 after 5 p. m.

Riding Mower (24") Sale or Trade. Telephone Portsmouth UL 8-1111.

Two Evans Bicycles—Boy's 26" in good condition and Boy's 24" in excellent condition. Also a size 16 Boy Scout uniform and a size 12 Cub Scout uniform. Telephone Chillicothe 775-7262.

WANTED

Transportation to and from Minford — either as a passenger or member of a car pool. Contact Clinton Stanley, process engineering department, X-100 building.

(Editor's Note: The Clan office received the following note from Eagle Scout Reed Irwin, a member of Post 3 in Chillicothe, who is with the US World Jamboree Scouting contingent in Europe. Scout Irwin is the son of Fred Irwin, plant engineering.)

Hotel Chateau-Giitsch
Lucerne, Switzerland
July 26, 1963

Dear Editor:

England, and what I have seen of Switzerland, has been very impressive. London is very much like a large American city — except for the "left-handed" drivers and the money. The Europeans we have met have been very friendly.

Our Scouting experiences began at Ft. Slocum, where we met the rest of the contingent from the U.S.A. for a "pre-camp" before leaving New York.

The first foreign Scouts we met were at a tea given for us at the Baden-Powell House in London. The House is a memorial to Scouts of all nations in honor of the founder of Scouting. The next evening, July 25, after a day of touring, we visited Gilwell Park — former home of Baden-Powell and toured this historic Scout camp.

The day ended with an International Campfire.

Sincerely yours,
Reed Irwin

Solar Eclipse

(Continued from Page 1)

could be shown. The fourth picture in this series taken 15 minutes before total is quite dark. The fifth, taken 5 minutes before total is almost black.

"When the sun is only a narrow crescent the shadows cast by tree leaves make curious crescent shaped images on the ground. We photographed some of these shadows on a white sheet placed under a tree. Another interesting effect occurs just about one minute before the total eclipse. On a white sheet spread on the ground, light and dark bands appear moving rapidly away from the sun. This is probably due to diffraction of the sun's light passing by the edge of the moon, although scientists are not in complete agreement as to the cause. Although they are rather hard to see, we managed to get one still picture of these bands and Sally took some movies. I was so engrossed with these bands that I missed seeing the moon's umbral shadow sweeping across the land as total eclipse occurred. They say it is an awesome sight appearing like a great storm cloud for a second or two. When the sun was completely hidden by the moon, it suddenly became quite dark. It gave you an eerie feeling to see the jewel-like purple glow of the corona surrounding the black moon in an almost black sky. For a moment everyone was quiet and the other noises which you don't normally notice — birds and insects — seemed to stop suddenly.

"No one who has not seen a total eclipse can appreciate the awesome spectacle which is so different from even a 99 percent partial. I had to break the spell in order to get my pictures taken since totality was less than one minute long. I got two shots of maximum corona in color which also showed corona-lit clouds and the brilliant planet Venus. Also, I made two shots of the corona with



WINNING SNAPDRAGONS — L. D. Hochberg, Plant Shift Superintendent, holds his First Place Snapdragons and "First Premium" Ribbon as proof he was an exhibit winner at the Jackson County Fair. Completely ignoring him is Captain F. P. Humston, Police Department, as he scans the seed catalog prior to ordering next year's supply of seeds. His promise to Hochberg — to furnish him a year's supply of flower plants if he won.

Gardening Is Fun

Team Of Hochberg And Humston Produce Prize Winning Flowers

For several years, L. D. Hochberg, plant shift superintendent, has tended a flower garden, in his leisure time, that has been the envy of his neighbors in Jackson.

Each year, in early spring, he makes an annual trip to fellow GAT employee, F. P. Humston, police department, to obtain his flower plants.

This year, Lou exhibited Snapdragons at the Jackson County Fair. His exhibit received a "First Premium" ribbon.

the telescopic 24-inch camera. As I was taking my third picture with this camera the sun began to emerge from behind the moon. It showed first through the valleys on the moon's surface making a series of bright dots called 'Baily's Beads'. I wanted a picture of these but I was too slow in closing the shutter. Instead, when I developed the film I found that the sun had come out too far and had overexposed the film. However, the picture does show the 'diamond ring' effect which is just as spectacular as the beads.

"After totality the partial phases of the eclipse were an anticlimax. We took a few more pictures but spent most of the time packing up the equipment and preparing for the trip back home."

"Before the Fair, I told 'Cap' that I was going to exhibit the Snapdragons at the Fair," said Hochberg. "He told me that if I won he would give me a year's supply of Snapdragon plants. Now, by golly, I'm going to hold him to it."

Humston has a greenhouse adjacent to his home in Lucasville. He raises vegetable and flower plants. This past year the greenhouse produced over 250,000 plants.

"I think I'll hedge on my promise to Lou," said Humston. "I failed to talk the deal over with my wife — and she does most of the work raising the plants."

GAT WOMEN'S CLUB

The GAT Women's Club of Portsmouth is planning a rummage sale for September 21, in the Salvation Army gymnasium.

Contributors should contact Mrs. William Beaumont, EL 3-5791 or Mrs. Orlando Vita, EL 3-2589. Club members will pick up the donations.

Mrs. Beaumont is general chairman for this project. Other committee members are Mrs. Howard Keller, Mrs. Marvin Danner, Mrs. Jerry Russell, and Mrs. Vita.

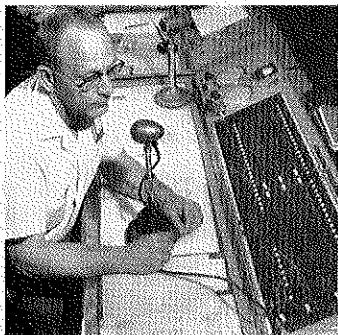
All proceeds from this project will go toward the Club's expanding charity program.

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It's Max Coryell!



"D" SHIFT SUPERINTENDENT. On Page 3 is a photograph of Max Coryell, Motorcycle Policeman of Ft. Lauderdale, Fla., as he appeared in 1937.