# THE WINGFOOT CLAN

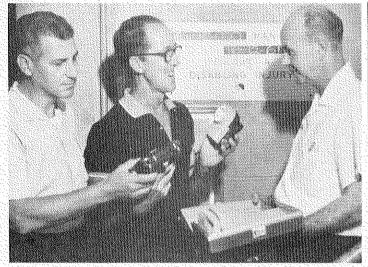
#### GOODYEAR ATOMIC CORPORATION

A Subsidiary of THE GOODYEAR TIRE & RUBBER COMPANY

VOLUME VIII

PIKE COUNTY, OHIO, WEDNESDAY, JUNE 21, 1961

NUMBER 18



A HAPPY WINNER IS J. G. EWING (center), Water Treating Department, as he accepts his Polaroid Land Camera from C. L. French, Superintendent Safety & Fire Protection Subdivision, At left is D. B. Iones, Supervisor, Utilities Operations Department, Ewing submitted the winning six-months

## **Utilities Operations Employee** Wins Six-Month Safety Award

half of 1961.

He was one of the semi-monthly winners in February and March. The winning six-months' slogan was submitted in February, Records in the safety department revealed that Mr. Ewing submitted forty-eight slogans for consideration during the period January 1 to July 1, 1961.

For his efforts Mr. Ewing was presented a Polaroid Land Camera, with attachments, during brief recognition ceremonies at the X-611 building. June 13. C. L. French, superintendent, safety & fire projection subdivision, made the presentation in the presence of employees in the water treating department.

In making the presentation, Mr. French stated, "Jack, it gives me a great deal of pleasure to present you with this camera. I know you are a 'camera bug' and that you will make good use of this safety slogan award. Your interest in our safety program is evidenced by the number of slogans you have submitted and the message contained in the winning one." Also offering congratulations were: R. M. Rutherford, manager, production division; H. E. Kelley, superintendent, power & utilities subdivision; and D. W. Doner, manager, industrial relations division.

Mr. Ewing, all smiles as he accepted the camera, said, "I couldn't have received a more appropriate

"Your Best Safety Award is Your award. Photography is a great hobby Own Safety" was ajudged the best with me. My wife and I are going on safety slogan submitted for the first vacation July 11, and will spend a few days at Gatlinburg, Tennessee. J. G. Ewing, water treating de- I'll bring you a picture to prove that partment, who was a two-time win- the camera works. Many thanks, I ner during the six-months' period, have submitted some other good slosubmitted the award winning slogan. gans, too . . . so I'm expecting to see you again in January."

#### Another First In Safety Program

## **Employees Work Calendar Year** Without A Disabling Injury

employees of Goodyear Atomic Corporation had recorded another safety Employees should not be satisfied achievement. The latest accomplishment, ONE CALENDAR YEAR WITHOUT A DISABLING IN-JURY, was not only the best safety effort but marked another FIRST in the GAT safety program. This is the first time in the history of Goodyear Atomic that the employees have worked a full calendar year without a disabling injury. At midnight June 8, 1961 the man-hour figure had reached approximately 4,065,000 without a lost-time accident. The last disabling injury occurred June 8, 1960.

In his personal congratulations to all employees, Mr. Reynolds, general manager, said, "A good safety recordreflects many things: Employee skill, ability, team work, safety consciousplant as safe as possible.

Safety is an INDIVIDUAL responsibility as well as a GROUP effort." record is the fact that no GAT em-

12:01 a. m. on June 9, 1961, the not been without injuries. Some of the injuries have been very painful. with a safety performance until all injuries have been eliminated. None of us are perfect . . . but perfection should be our goal.

The Company, from top management to every employee, believes sincerely in the promotion of safe work habits. Planned safety should be integrated into every job and activity. It has always been the desire of the Company for employees to survey and analyze each job and to approach it in the safest possible manner. This desire is reflected in the fact that many employees spend their full time working in the various phases of safety and hazard control. But any awards or any honors gained by GAT is a tribute to every employee, including our full-time safety people, ness and a strong desire to make our for the efforts expended in making

The real reward from any safety

safety achievements a reality.

Unfortunately, the past year has ployee has suffered an injury serious enough to require his missing time

> The current Six-months' Safety Slogan winner, J. G. Ewing, water treating department, perhaps sums it up "YOUR BEST SAFETY AWARD IS YOUR OWN SAFE

As of midnight June 20, 1961 the employees of GAT have worked 4,157,000 manhours without a losttime injury.

"KEEP THE STREAK ALIVE --LET'S MAKE IT FIVE!"

#### C. L. French Promoted To Superintendent

Clyde L. French, who was supervisor of the fire control department, has been promoted to superintendent, safety & fire protection subdivision. His promotion became effective June 1, 1961. (Photo Page 2.)

French began his career with Goodyear at The Wheeling Township Coal Mining Company, Adena, Ohio, in 1936. From 1936 to 1947 he was mining engineer for the Coal Company, which was a subsidiary of The Goodyear Tire & Rubber Company. In 1947 he became personnel manager and safety director, the position he held until 1949.

'He joined Goodyear Atomic Corporation January 19, 1953 as supervisor, employment department. In August, 1955 he became supervisor of security, and in December, 1955 supervisor of plant protection. In June, 1957 he transferred as super-

sity, he has a BEM Degree (Bachelor of Engineering in Mining). He is registered in the State of Ohio as a Surveyor and Mining Engineer.

he is a Past Master of Harrison Lodge No. 219, F&AM, Cadiz, Ohio, his home Lodge.

Mr. and Mrs. French are residents of Brewer Heights, Chillicothe. They have one son, Richard, a freshman at Chillicothe High School,

A native of Massilon, Ohio,

## visor of fire control. A graduate of Ohio State Univer-

## A member of the Masonic Lodge,

#### A REMINDER

The Huntington Regional Bloodmobile will be on Plantsite July 25 and 26.

## Many GAT Families Enjoy Eighth Annual Picnic

among the 5,000 attending GAT's the motors which would operate the Christmas Party, golf, or the 7-11 Eighth Annual Picnic at Camden Park, June 3.

The weather man gave everyone a few anxious moments during the four-hour period as the sun played hide-and-seek among the clouds. Following the tradition that has been set the past few years the rain, which began in the wee hours of the morning, quit just before 12 noon. A sunny afternoon prevailed during the Picnic hours. At 3:55 p. m. it really began raining as if a signal to everyone that it was time for the Picnic to be over.

The Park opened to GAT families at 11 a. m. Many families were waiting in the parking lot for the opportunity to enter and find a spot for their picnic dinner. One of the families to arrive early was the M. F. Gleason (utilities maintenance department) family. His family of eleven children ranged from the oldest which is Russell, 18, who gradulittle 18 month old John Eugene.

"A-OK." This was the consensus ride attendants began warming up program. Whether it's the Picnic, rides. Observation of the youngsters Club Sellars has always been willing within the Park showed a pleasant to give of his time to assist in prolook of anticipation. When the rides moting successful activities. did begin at 12 noon there was no hesitancy as the eager boys and girls began 4 hours of enjoyment as they went from one ride to another.

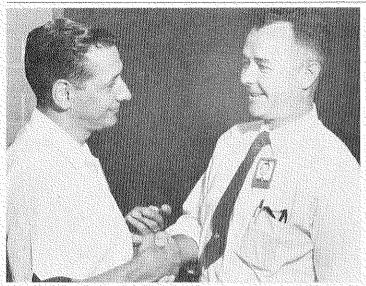
> Bingo proved a popular diversion for the adults in attendance. With Mike Stoops, standard practice department, running the game many mothers and dads enjoyed bingo while their sons and daughters were enjoying the Park's amusement rides.

> At approxivately 2:30 p. m., Dr. C. R. Milone, deputy general manager, awarded the first of fourteen prizes to be given to lucky employees. Assisting Dr. Milone was J. O. Sellars, electrical maintenance department Ironically, Jim drew out his own ticket first and was awarded a Transistor Portable Radio.

Quite embarrassed, Jim wanted to ated from Portsmouth West High nullify the draw but observers knew School last month, to the youngest, that the drawing was legitimate. Sell-About 11:45 a. m. the amusement very active in the employee activity chanical shops, Window Fan.

Other prize winners were: Carl H. Davis, process engineering, Dormey-

er Blender; Eugene M. Dalton, utilities maintenance, Electric Frying Pan and Lid; Arthur H. Clary, plant engineering staff, Portable Hand Mixer; Jay B. Mitchelson, chemical operations. Quarter-inch Electric Drill: Warren C. Lauderback, SS material handling, Electric Razor; Clyde R. Holdren, engineering & maintenance services, Cooker-Fryer Pan; Clarence E. Snyder, fluorine generation, Electric Toaster; Charles W. Moxley, cascade maintenance, Automatic Coffee Maker; Sarah J. Lowman, accounts payable & cashier, Hair Dryer: Walter Osborne, instrument maintenance, Electric Can Opener, Allen L. Williamson, industrial relations staff, Stainless Steel Cooker; Harlan G. Moore, steam plant, Aluminum Stepladder, and ars, since being with GAT, has been Edward E. Brooks, special & me-



I. G. SMITH (left), Cascade Coordination Department, receives his 20-year anniversary tie-clasp from R. M. Rutherford, Manager, Production Division

#### **Production Squadron Graduate**

## I. G. Smith Recognized For Twenty Years **Continuous Service With Goodyear**

June 2, 1961 marked the twentieth anniversary with Goodycar for I. G. Smith, cascade coordination department.

the cascade subdivision and invited Church in Waverly. guests gathered in the private dining room, GAT cafeteria, to recognize Smith's twenty years with the Company, R. M. Rutherford, production division, presented him with an anniversary tie-clasp.

A production squadron graduate, Smith began his career with Goodyear on June 2, 1941 as an employee of the hose room in Plant 2, Following his graduation from the Squadron in 1943, he was assigned to the tire room, Plant 2.

During World War II he was commissioned a 2nd Lieutenant in the U. S. Air Force. He returned to GT&R in 1946.

He has been a member of Goodyear Atomic Corporation since March, 1953, transferring here as a foreman in the process area. In July, 1953, he was promoted to general foreman, process area. Since April, 1955, he has been assigned to the plant control facility as cascade coordinator on "C" shift.

The Smiths are residents of Lake White. The family includes Mr. Smith, his wife, Polly, two daughters, Pamela and Donna, and son On Monday, June 5, members of Dennis. They attend the Methodist

> Smith is a member of the Elks Lodge in Portsmouth.



CLYDE FRENCH

Promoted to Superintendent Safety & Fire Protection

(Story on Page 1)

### **Recent Promotions Within Maintenance Division**

W. A. Brown, manager, plant engineering & maintenance division, poration May 11, 1953 as a tool & He attended Marshall University and has announced three promotions within the division effective June 16. 1961.

W. I. Hackworth, who has been a general foreman, is promoted to supervisor of mainte-



cial & mechanical W. F. Hackworth shops department. His additional new duties will include the supervision of the carpenter and paint shop

E. C. Gearhart has been elevated to general foreman in the machine shop. In addition to his duties in the ma-

E. C. Gearhart chine shop, he will be responsible for the seal, valve and compressor shops of the special & mechanical shops department.

R. Simpkins is promoted from foreman to general foreman of the welding shop department. In addition to his duties 🤲 in the weld shop,



R. Simpkins he will be responsible for the sheet

W. F. Hackworth is a native of Russell, Kentucky. He holds the MA. degree from Eastern State College, Richmond, Kentucky

He joined GAT September 21, 1953 as a maintenance mechanic. In January, 1955 he was promoted to assistant foreman in the main tenance & plant engineering division. On June 16, 1956 he was elevated to foreman in the special & mechanical shops department, and to general foreman July 15, 1957.

Hackworth, his wife Donna, and three children live in Chillicothe.

E. C. Gearhart is a graduate of Chillicothe High School. He has attended Sinclair College, University of Dayton, and Ohio University (Chillicothe Branch).

moted to foreman in the special & Correspondence School, mechanical shops department. He in the machine shop November 1,

Gearhart lives in Chillicothe with his wife, Gladys, and two sons.

dren. He is a graduate of Milton 1956.

He came to Goodyear Atomic Cor- High School, Milton, West Virginia die maker in shops maintenance. He the Hobart Technical School, Troy, became an assistant foreman July 1, Ohio. In addition he has 21/2 years 1953. In January, 1955 he was pro- of welding from the Armed Forces

Simpkins was hired by GAT Nowas assigned the duties of foreman vember 16, 1953 as a maintenance mechanic. He was promoted to assistant foreman in the special & mechanical shops department November 19, 1954. On March 1, 1956 he The third employee promoted, assumed the duties of assistant fore-Ray Simpkins, resides in Waverly man in the welding shop departwith his wife, Peggy, and three chil-ment, and became foreman June 16,

#### THE ATOMIC EMPLOYEES CREDIT UNION

The Atomic Employees Credit Un- urer since the beginning. ion had its beginning January 24, marked the beginning of a successful Eckhart complete the complement of venture in Credit Union business.

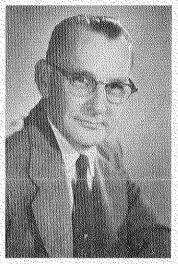
A. H. Clary, plant engineering, was elected the first President. The first monthly statement (February, 1956), revealed total assets of \$286.75. Since 1956, there has been a steady growth in members, share deposits and loans. The total assets reached \$144,600 at the end of the first year of operation; \$332,600 at the end of the second year; \$606,200 in assets were recorded in 1959; and in 1960 the total had reached \$812,-

On May 31, 1961, the Atomic Employees Credit Union became a "million dollar institution" with total assets of \$1,000,059,54. Current membership now approximates 2,000 which includes employees and members of their families.

During the brief period of operation, loans have totaled \$2,555,-288.72 to members. Dividends in the amount of \$95,384 have been paid to shareholders.

E. T. Crace, utilities maintenance department; D. E. Schumacher, formersafety department, has been Treas- your service."

In January, 1959 James E. Jones 1956. On this date, ten GAT em- was employed as full-time Manager. ployees met as an official Board and Mrs. Laura Mitchell and Miss Janet full-time Credit Union employees.



MAURICE TROWBRIDGE Appointed President Atomic Employees Credit Union

"The success of the Credit Union," said Mr. Jones, "must go to the employees who have served faithfully In addition to Mr. Clary, three as members of the Board and the employees have served as President: various committees; to Goodyear Atomic Corporation for their assistance and cooperation; and to all the ly of the purchasing department; and members for their confidence and currently M. T. Trowbridge, repro- faith. The Credit Union belongs to duction department. L. T. Oyler, the GAT employees. Our office is at

#### WHAT ABOUT RADIOACTIVE WASTES

done with radioactive material that underground containers. is no longer useful, but is still emitting particles or waves of radiation?

First, of course, is the considerais of paramount importance in the the Commission must follow these regulations.

Time is one answer to this question, since many elements are radioactive for short periods only. Reing to find the solution to disposal of longer-lived radioactive wastes.

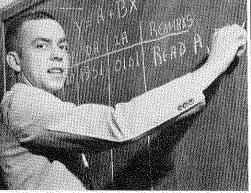
up the handling of most forms of concrete-lined steel drums.

The question is frequently asked high-level radioactive waste. Large and it's important, too. What is volumes are reduced and stored in

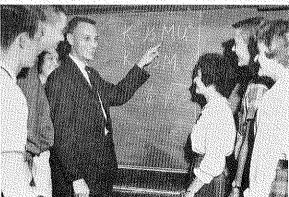
"Dilute and disperse" tells you what happens to many low-level wastes. They are diluted and distion of public safety. This concern persed to the environment . . . of course, subject to careful controls AEC regulations for the disposal of that keep radiation levels well under radioactive wastes. Every licensee of safe limits. As a matter of fact, wastes are diluted until they are equal to, or weaker than, levels of radiation which occur in nature.

Other forms of disposal are land burial, where radioactive wastes are search and development is proceed-packaged and shipped to particular atomic energy sites for inclusion in their burial grounds, and deep-sea "Concentrate and contain" sums burial with the waste packages in

### THE IMPORTANCE OF MATHEMATICS IN INDUSTRY



TWO MEMBERS OF THE TECHNICAL DIVISION recently lectured to Geometry students at Portsmouth High School, Denver Thomas (left), Operations Analysis



Department, prepares an outline on the chalk-board Pictured at right, Gordon Williams, Computing Department, explains an equation to a group of the students.

## THE WINGFOOT CLAN

#### GOODYEAR ATOMIC CORPORATION

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### HOW TO COMBAT COMMUNISM WHAT CAN I DO?

A SUGGGESTED STRATEGY FOR VICTORY

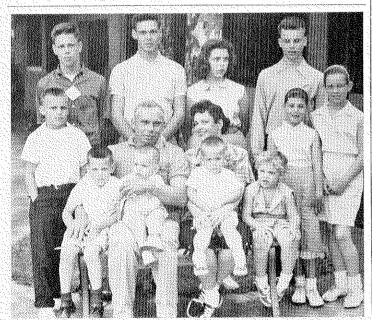
A Combination of PEOPLE -KNOWLEDGE

- MOTIVATION used in the correct equation can bring about victory over Communism.

People plus Knowledge minus Motivation equals **PESSIMISM** 

People minus Knowledge plus Motivation equals **FANATICISM** 

People plus Knowledge plus Motivation equals **VICTORY** 



BAKER'S DOZEN. Meet the Murray Gleason family, one of the first families to arrive at the Picnic. Standing left to right: David, 13; Russell, 18; Grace, 16: and Richard, 15. Second row standing from left: Michael, 9; Dorothy, 7; and Catherine, 11. Seated left to right: Walter, 6; Mr. Gleason; Mrs. Gleason; and Hilda, 4. John, 11/2, is on his father's lap. Mrs. Gleason holds James, 3. Gleason is a member of the Utilities Maintenance Department. daughter, Shelby.



#### Kinker - Armstrong

Katherine Kinker and Carl Armstrong were married May 22, 1961 in the Central Presbyterian Church, Portsmouth, Ohio, by the Reverend Robert Gushwa.

Mr. and Mrs. Armstrong are in the stores department.

#### Allard - Snyder

Patty Allard and Richard Snyder were married June 1, 1961 in the First Methodist Church, South Shore, Kentucky, by the Reverend Stanley Gwinn.

The new Mrs. Snyder is in the tabulating service department, Mr Snyder is in the U.S. Army.

#### Storms - Miller

L. E. Storms and Carol Miller were married June 7, 1961 in the First Christian Church, Richmond, Kentucky, by the Reverend Doctor Frank N. Tinder.

Mr. Storms is in the chemistry department. The new Mrs. Storms is in the stenographic pool.

#### Just A Reminder

Don't forget the next company wide dance. The date is July 15 at the Portsmouth Elks Country Club.

Tickets are now on sale in the recreation department at \$2 per couple. Only 150 rickets will be sold.



(SS accounting department), son, Timothy Paul.

equipment services department) daughter, Jackie Lynn.

Mr. and Mrs. R. G. Tufts, (chemical analysis department), daughter, Deborah Ann.

Mr. and Mrs. C. R. Mullins, (process area I), son, Harry Wayne.

cess area 1), son, John Samuel.

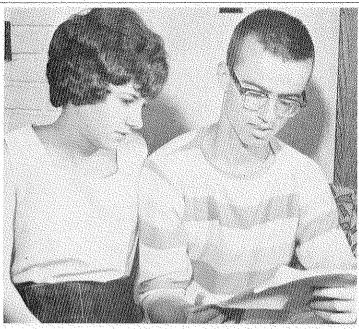
Mr. and Mrs. B. P. Allen, (pro-

Mr. and Mrs. George D. Copen, (miscellaneous personnel services department), daughter, Kimberly Jo.

spectrometry department), daughter,

lice department), daughter, Billie Jo.

Mr. and Mrs. C. G. Massie, (utilities maintenance department).



WEST POINT BOUND. Craig Brant (right) reads his official notification of his appointment to the U.S. Military Academy. He will report July 5. Looking on is her sister Laura Io. Craig, who was the principal appointment of U.S. Representative William H. Harsha, Jr., is the son of Joe Brant,

## Employee's Son To Enter U.S. Military Academy July 5

Craig Brant, son of Joe Brant, pointment of the Honorable William engineering costs & property records department, has been accepted to enter West Point Military Academy beginning July 5. He received official notification that he had passed all physical and mental requirements June 7. He was the principal ap-

H. Harsha, Jr., Representative to Congress from the Sixth District. One of the most active students in

extra-curricular activities, Craig gradnated from Portsmonth High School Tune 8. He is a member of the National Honor Society; has served as Secretary, Vice-President and President of the Advanced Latin Club; President of the Revelers Dramatic Club; and a member of the Junior Council. Active in dramatics, he was a member of the junior and senior play casts. He pitched and played in the outfield as a member of the PHS baseball team.

In addition, he placed sixth in general scholarship in the State Senior: Scholarship tests held in the Portsmouth High School. He has been a member of the Junior American Legion Baseball team for three years.



ceived live-year service award em-

V. Beasley

W. H. Charlton

G. L. Cornwell

W. J. Yerian

D. Bonzo

blems to date this month:

M. F. Bailey

R. L. Settle R. C. Arthur Mr. and Mrs. John F. Johnley, III, C. Fritz C. S. Hyden

Mr. and Mrs. J. D. Baer, (office

Mr. and Mrs. C. D. Willis, works laboratory subdivision), daughter, Linda Ann.

Mr. and Mrs. P. E. Briggs, (pro-

cess area III), son, Gregory Paul.

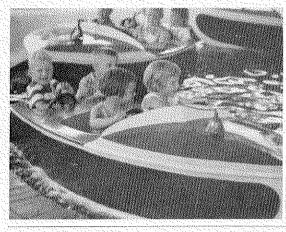
Mr. and Mrs. C. J. Pelletier, (mass Jacquelin Louise.

Mr. and Mrs. Virgil Mustard, (po-



ALL READY FOR THE PICNIC. The GAT photographer caught this candid shot of the Carl Davis family as they arrive at the Picnic. Davis, of Process Engineering, is in front followed by daughters. Deborah. 9: Carol. 14: Mary Ellen, 18; son, Evan, 6; and wife, Frances,

## GAT Photographer's Candid Shots At Picnic







#### **GAT Employees Active In Waverly** Junior Chamber Of Commerce

GAT employees play a prominent convention in Dayton, Ohio. role in the activities of the Waverly Junior Chamber of Commerce.

ment, is the President; Bob Bell, process engineering, internal vice president; Dick Shelton, operation analysis, external vice president; and Bob Harshman, accounting department, is the immediate past president and is now a state director.

The Waverly IC's won three state awards at the recent Ohio JC

### Richard Craycraft Ranks High In Tests

Richard Craycraft, son of R. W. Craycraft, SS accounting department, recorded a score of 167 points out of a possible 200 to rank 4th among 1,000 Scioto County eighth graders in scholarship examinations given throughout the state.

The tests, given to more than 60,000 eighth graders in the state, were machine scored. All tests were supervised by visiting administrators.

Richard's score of 167 ranked him in the top one per cent in the state. The examinations covered English, arithmetic, science, and history.

Dry ice has about three times the cooling power of ordinary ice.

Two of the first place awards were in Division I competing with seventy Ray McNaughton, cashier depart- JC chapters throughout Ohio, Division I is comprised of JC chapters whose community population is 5.000 or less.

The local JC group won a first Childers, steam plant, treasurer. Jim place rating for its religious activities projects. The second award was for the publication, the "Sneak Sheet," The publication keeps members informed of the calendar of events and projects. McNaughton and Bob Chandler, SS accounting department, co-edit the "Sneak Sheet."

The third award was the "Buckeye Award" which is given for outstanding chapter accomplishments.

#### **Next Golf Playday**

A Men's Golf Playday will be held Saturday, July 15, in Waverly, Chillicothe and Portsmouth.

Starting times are available for those who will participate in Portsmouth, and should be reserved by calling the recreation department. Tee-off time in all areas will be 8

Golfers should plan a foursome and participate in the second playday of the season.

Golf balls will be awarded to the lucky winners.



ENJOYING THE GAT PICNIC is the Dave Goodland family. Dave, Process Engineering, is seated left with son, John. 5, and Jill, 2½. On the right is Wandell, his wife, and daughter Jan, 8. Sharon Williams is at the extreme right, a friend of Jan's.

# Classifieds

FOR SALE

16-foot Fiberglas Boat. Complete except for hardware and motor Needs refinishing, Goodyear hull \$300. Telephone Waverly 8063-R.

Alma Trailer—10° x 50′, 1960 model, wall to wall nylon carpet, canopy and patio. Fully equipped, Located on J. B. Wilson property north end of Lake White. May be viewed each evening Monday through Thursday. Telephone Waverly 8133-R.

1956 Mercury Montelair Phaeton, 4-door, Excellent condition, Low mile-age, Owner will sacrifice, Telephone Piketon, 4-111.

Lot for sale, Columbia Drive Kilgore Addition, Sewer, gas, paved road, Telephone Waverly 834-M.

Three bedroom home on corner lot in Waverly Estates, Painted inside during year. New water heater. Small down payment (much less than FHA requirement) to cover improvements, assume present mortgage. Telephone Waverly 612.

Three Bedroom Modern Home. In Waverly School District, approximately 15 minutes from plantsite. \$10,000. Owner must leave area, Will sell furnished if desired. Telephone Wavery 8032-W.

Roll-King Golf Cart. Used 1 sea-son. Three-speed window fan (20°). Will trade for casement style window fan. Telephone Portsmouth ELm-wood 3-0279.

POLAROID LAND CAMERA. Like new. Model 80-A. \$50, 107 Waverly Gables Blvd., Waverly, Ohio.

## **NS Savannah Reactor Shielding Tests**

Reactor shielding on the N. S. Savannah, the world's first nuclear powered merchant ship, will be inspected with a unique set of portable instruments developed at the Atomic Energy Commission's Oak Ridge National Laboratory.

Goodyear Atomic Corporation supplied one-half of the total fuel requirements for the first core loading to the Savannah.

For the Savannah reactor tests, which are scheduled later this year, a truck which contains a Mobile Shielding Laboratory, will be driven aboard the ship.

The Savannah is a joint project of the Maritime Administration and the AEC. The keel was laid in 1958. and the ship was launched in 1960. It was built at Camden, New Jersey, by the New York Shipbuilding Cor-

#### **Current Trends In Science Education**

Energy Commission, before the Ng. ditionally non-scientific area. tional Science Teachers Association, Chicago, Illinois.

tionize some methods in science teaching.

But I would be among the first to admit that we can overemphasize science to the detriment of other es- ideas upon which they are based. sential areas of learning. Many feel tem of the Soviet Union, What I hope most earnestly is that similar better one. progress will be made in the humanities and social sciences; in English, history, languages, and so forth.

level of one segment . . . science . . . which now is in the public eye. We hope our efforts are setting a good low. There is an urgent need for upgrading our entire educational system.

We have entered an era in which the world stage. Nearly every aspect of our lives is influenced by and, in turn, serves to influence what hapthe exploration of space and other that science will attract its share of planets.

Science and technology daily become more important factors in shapknowledge will be called upon to lenging responsibility.

The following are excerpts from a help find solutions . . . if any can speech delivered by Dr. Glenn T. be found . . . for many serious cur-Seaborg, Chairman, U. S. Atomic rent and future problems in the tra-

Our goal should be to turn out increasing numbers of liberally educat-Progress is being made at the sec- ed men and women. What do 1 ondary level. Research is being push- mean by a "liberally educated" pered in the elementary grades. Studies son? He is one who is aware of the now under way promise to revolu- nature of his physical and social environment and of his own nature.

> He understands the origins of the world's social, religious, governmental and political institutions and the

He is a person who, because of that this is a cardinal weakness of this knowledge, has some basis for the highly publicized educational sys- making intelligent decisions to adjust to his environment or change to a

There are four definite trends toward improvement of science teaching in the secondary schools. They It probably is quicker and more are: (1) improving the course confeasible to concentrate on raising the tent; (2) new emphasis on laboratory work; (3) scaling up teacher training and standards; and (4) breaking down of barriers that for example for the other fields to fol- too long have cast the professional scientist and the professional teacher in the role of antagonists instead of collaborators.

There are two broad objectives: we are thrust into a central place on First - our future citizens must get a good understanding of the importance of science in current and future human activities. Second - our high pens in every part of our planet, school science teaching must be in-And already we are pioneering in spiring, efficient and challenging so the bright young men and women who crowd our classroms.

Success in reaching these goals, in ing political, economic and social de- the final analysis, will depend on velopments . . . national and global, you . . . the science teachers of our Scientific and technical skills and youth. You have a vital and chal-

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