

Science Show Proves Interesting At Laurel, Marshall Last Week

Informative Show Is Made Possible By General Motors

"Liquid sunshine" powered a portable radio. A small platform moved across the floor on a thin layer of air. And a "misbehaving" suitcase illustrated principles used in modern guidance systems.

Laurel and Marshall students saw these and other interesting demonstrations when the famed General Motors science show, Previews of Progress, appeared at the school last week.

"We seek through Previews to inspire more young people to make science and engineering their career and provide the trained talent America must have to keep pace with the promise of the future," John F. Gordon, president of General Motors, declares.

Rick Olshove and Alex Cichy, of General Motors Public Relations staff presented the 45-minute, non-commercial presentation. They are of seven teams that take the show to more than a million students each year.

One of the highlights of the show was a fuel cell, a device that converts chemical energy into electrical power. Potentially one of the most significant scientific developments of the century, the fuel cell manufactures electricity with much greater efficiency than is now obtained from conventional power plants.

During the show, a few drops of "liquid sunshine" added to the cells provided enough energy to operate a portable radio.

Another example of solar energy, the amazing Sunmobile, was demonstrated. The 15-inch model car depends on eight photoelectric cells for its operation. The but-

ton-like cells on the hood of the car convert light rays into electrical motor inside the car. A 300-watt lamp was used to simulate the sun's rays during the show. As the light struck the cells, the Sunmobile moved smoothly across a table.

In addition to sun power, the Previews audience saw an air bearing platform in operation. This small platform, supported by three large circular pads, is designed to slide over any flat surface on a thin layer of air.

The operation of the Previews platform is simple. A small blower forces air through the three pads, creating a thin layer of air between the pads and the floor. The air eliminates nearly all sliding friction, enabling easy mobility of the platform.

Another Previews sequence illustrated principles used in modern guidance systems. A student volunteer manipulated a suitcase with "a mind of its own" as the lecturer explained how today's planes, ships and missiles are safely guided along predetermined courses.

Students also saw the Exploding Wire Phenomenon. Using the principle of stored energy, a 10-watt power supply furnished about 30-million watts in an instant to demonstrate the electrical disintegration of a fine wire. This phenomenon may someday propel space vehicles.

Other Previews demonstrations included samples of the wonders of modern chemistry and a capsule history of jet propulsion traced from 200 B.C. to futuristic gas turbine power.

Previews of Progress has been seen by more than 32 million American students and adults. The demonstrations, constantly updated to keep pace with recent technological advances and presented in easy-to-understand non-technical language, have proved to be a big hit with students around the globe. Nearly seven million persons in Latin America, Europe, Africa, Australia and New Zealand have seen the show.

At the request of the U. S. Department of Commerce, GE recently equipped and trained special units of the show for appearances at five International Trade Fairs in South America and the Near East.



Shown above are a few of the students of Laurel High School who enjoyed the General Motors Science Show last week. In picture are: Barbara Cantrell, L. A. Zimmerman, chemistry instructor; Kathryn Zimmerman, Brenda Landers, Spence Rice, Leonard Landers and Jana Lee Cutshall.

Mitchell Wilson, Native Of County, Passes On Monday

Mitchell G. Wilson, 79, of Leicester Rt. 1, died at 9 p. m., Monday, February 22, 1965 in an Asheville hospital following a long illness.

He was a native of Madison County, a Buncombe County resident 72 years, and was a son of the late James and Elizabeth Rogers Wilson.

Mr. Wilson was a member of Turkey Creek Baptist Church, where he had served as a deacon.

Surviving are four daughters, Mrs. Carter Brown and Mrs. Monroe Hawkins of Leicester, Mrs. Floyd Edmonds of Los Angeles, Calif., and Mrs. Will Cox of Gadsden, Ala.; three sons, Olson of Leicester, Homer of Winston-Salem and Carlos Wilson of Raleigh; 12 grandchildren; and 13 great-grandchildren.

BLUFF NEWS

MRS. DEMPSEY WOODY Correspondent

We are having snow all along now, but every pretty day the farmers are out getting started on another summer's work.

Mr. and Mrs. Thelmer Waldroup and Glenna, Mr. Hubert Waldroup and Ethel spent Sunday with Mr. and Mrs. Fate Woody.

Mr. and Mrs. Lionel Brooks and Shirley visited her mother, Mrs. Ray Roberts in Waynesville Sunday.

Mr. Dempsey Woody is recuperating in the Mission Hospital after an operation.

Mrs. Mae Kirkpatrick, two grandchildren and son-in-law, Mr. Lewis Franklin, of Balfour, visited Mr. and Mrs. Charlie Finley Sunday; they also visited Tom and Howard Finley.

Mrs. Christene Sams visited her parents, Mr. and Mrs. Ray Roberts of Waynesville Sunday.



Three Marshall students are shown with a jet engine during last week's General Motors Science Show at the Marshall school. They are: Linda Jestes, James Sprinkle, and Cecelia Roberts.

TODAY'S meditation

rom

The Upper Room

THE WORLD'S MOST WIDELY USED DEVOTIONAL GUIDE

Read Isaiah 53:1-9; John 12:35-45
Arise, shine; for thy light is come, and the glory of the Lord is risen upon thee. (Isaiah 60:1)

God made man very good and fine in the beginning, but man turned away from Him and became wicked and sinful. Then God promised man a Messiah who would deliver him from his sins and teach him and help him to live in the godly way.

The Jews generally thought the Messiah would appear as an earthly king who would conquer other nations that had risen against them.

Therefore, they did not recognize Christ when He came because of their idea as to the kind of Savior He would be. The religious and political leaders rejected Him, and the people cried out, "Let him be crucified." However, some who believed He was the Christ accepted Him in their hearts.

Jesus Christ is, indeed the Messiah. We need not ask, "Is He the Messiah, or shall we look for another?" We can rejoice, for our light has come, and the glory of the Lord has risen upon us.

Prayer: Our merciful Father, lead us to the conviction that the Christ whom Thou didst promise and for whom man waited has come. Forgive us for not accepting Him, for we have sinned and need Him to redeem us. We pray in the name of the Light of the

WCC To Conduct Academic In-service Institute In Spring

Cullowhee — Western Carolina College will conduct an academic in-service area institute at David Millard Junior High School in Asheville on Thursday evenings from March 11 through May 20.

Mrs. Annie K. Hoyle is scheduled to teach English 432B, Phonetics, the theory and practice of speech sounds. The course will carry three quarter hours of graduate or advanced undergraduate credit, but will not serve as 1970 renewal credit. It is open to teachers in both public and private schools.

The State Board of Education will pay tuition for teachers who are currently under contract in North Carolina Public Schools and who have approval of their superintendent to take the course.

Further information may be obtained from Dr. Ray M. Ainsley, Assistant Director of Extension, WCC, Cullowhee.

world, who taught us to pray, Amen.

Thought for the day: The Messiah for whom we wait is already here.

—Lawrence Nya Taylor (Liberia)

MHC VICTIM



JAMES FRANK BRADLEY, JR., 18, of Lenoir, who died of a heart attack on Wednesday of last week while playing basketball in a physical education class at Mars Hill College. He was a grandson of Mrs. W. T. Bradley, of Mars Hill.

EXAGGERATION

There's some question as to whether fish is brain food, but it's a proven fact that fishing stimulates the imagination.

* **With Our Boys** *
* **In Service** *

John Gahagan II, who enlisted in the U. S. Navy on January 16, is now in boot training at the USN Training Center in San Diego, California.

He is the son of Mr and Mrs. John Gahagan of Marshall Rt. 3.

* **BLOODSHED** *
* **BOXSCORE** *
* **ON N. C. HIGHWAYS** *

RALEIGH—The Motor Vehicles Department's Summary of traffic deaths through 10 a. m., Monday, February 22:
Killed to date 184
Killed to date last year 191

IF IN NEED OF

- Letterheads
- Envelopes
- Statements
- Visiting Cards
- Business Cards
- Promisory Notes
- Chattel Mortgages
- Warranty Deeds
- State Warrants
- Land Posters
- Contact

THE NEWS-RECORD



think BIG!

OUR FOREFATHERS DID. And from their dreams grew the strongest, most prosperous country the world has ever known. One big reason for this was railroad transportation — vital then, as now, to America's growth, economy and defense.

Now for the big thought! Today, American consumers are being cheated out of several billion dollars annually by artificially high freight rates. Rates kept high by regulation which kills off real competition. Congress can let consumers keep this now-wasted money in their pockets — available for constructive spending. How? By passing legislation repeatedly recommended to Congress, that true

competition be substituted for present unnecessary regulation of reductions in freight rates on agricultural and bulk commodities. This also will improve the competitiveness of American products against foreign products, at home and abroad.

It's a big thought, all right — as big as all of America's consumers. The lawmakers of our country should have the foresight and courage to correct this sorry situation.

Arthur H. ...

SOUTHERN RAILWAY SYSTEM

WASHINGTON, D. C.

Used Cars & Trucks

- 1965 CORVAIR Mona Coupe; 110 horsepower Engine; 4-speed Transmission; Radio & Heater; Less than 7,000 miles; Like New
- 1964 IMPALA 4-door Sedan; V-8 Engine; Powerglide Transmission; Radio & Heater; Extra Clean; One Owner
- 1963 CHEVY II Sport Coupe; 6-cylinder; Straight Drive; Radio & Heater; Extra Clean
- 1963 CORVAIR Monza Convertible; Syder Equipment; 4-speed Transmission; Red with White Top
- 1963 CHEVY II Nova 4-door Sedan; 6-cylinder; Powerglide Transmission; Radio & Heater; One Owner
- 1962 IMPALA 4-door Sedan; V-8 Engine; Powerglide Transmission; Power Steering; Power Brakes; Radio; Extra Clean
- 1961 CHEVROLET Impala 4-door Hardtop; V-8 Engine; Powerglide Transmission; Solid Blue

Trucks

- 1963 CHEVROLET 1/2-ton Truck; V-8; Clean
- 1961 CORVAIR Ramp Side Pickup; 6-cylinder; Heater & Defroster
- 1958 CHEVROLET 1/2-ton Truck; 6-cylinder; Heater & Defroster; 4 new recapped tires
- 1958 INTERNATIONAL 1/2-ton Truck. Flat Bed
- 1957 CHEVROLET 1/2-ton Truck; V-8.
- 1956 GMC 3/4-ton Pickup
- 1962 CHEVROLET 1/2-ton Truck; 6-cylinder; One Owner

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