

## Talked His Way Into 3rd Place and \$500 Scholarship

James Jones, Jr., 4030 Walnut Hill, Troy, took third place in state championship debate competition at the University of Michigan, April 22 and 23.

A senior at Detroit Country Day school, Bloomfield Hills, Jones was one of 150 who competed last weekend, and one of approximately 1,200 who started in the contest, begun in February under the auspices of the Michigan High School Forensic association.

He received a \$500 scholarship, awarded by the Detroit Free Press.

Other finalists were Donna Cole and Sheila Murphy of W. Bloomfield high school and Dennis Smallwood, Southfield high school.

There are 14 fully equipped roadside parks on highway US-2 between Sault Ste. Marie and Ironwood.

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## The Birmingham Eccentric

BIRMINGHAM, MISSISSIPPI

Thursday, April 28, 1960

SECTION D

## FOR AND ABOUT TODAY'S YOUTH



### 'Going Up!'

Going up—they hope—is the membership of the Birmingham Civil Air Patrol cadets. Cadets, who meet weekly at Pembroke school are shown here with the civil air patrol plant at Berz airport. At left is Warrant Officer Mrs. Lynn Brown, commandant of cadets; others are (from left):

Paul Chesna, Chris Wayland, George Seyferth, Richard Shilson, Paul Black, Edward Troutaud and Chuck Morse. Bruce Staples sits in the plane. Boys and girls, 14 to 18 years of age, interested in joining can contact Mrs. Russell R. Brown, Jr., 5171 Midalett, or George S. Scott, 787 Hazelwood.

### 2 from Seaholm Will Help Run The (Boys') State

Two Seaholm high school juniors have been selected to attend the American Legion-sponsored 23rd annual Wolverine boys' state.

The school is held annually in Mid-June (June 16-23) on the Michigan State university campus at East Lansing. Enrollment is limited to 1,000 outstanding youngsters in the state of Michigan.

The boys who will represent Birmingham are Walter Purvis, 1447 Henrietta, Birmingham, and James Ruffy, 1735 Locherrie, Beverly Hills.

There are offers in Classified Ads for every purse, person and purpose.

## This Youth Looks Up and Forward

By DONALD WEHE  
Seaholm Senior

Although rockets and rocketry may interest a few of the people in the Birmingham-Bloomfield area, none of us realize how important they are and how close to them we actually are.

Birmingham lies in the middle of one of the most active missile producing areas in the U. S.

A GOOD percentage of the Dads seen in Eden park flying model rockets with their sons, spend their Monday-through-Fridays designing and building the missiles that may someday be called upon to protect our homes.

When are some of the new rocket secrets they keep hidden behind the high fences? What exciting advances are being made in this field?

The most fascinating work is being done in the field of atomic energy. Now that man has learned how to get power from splitting atoms, he can put these enormous quantities of energy to work for him. This is how the energy may be used for rocket propulsion.

THE ATOM splitting or fission takes place in a piece of radioactive material, such as uranium, and gives off tremendous amounts of energy in the form of heat.

To prevent the rocket from becoming an atomic bomb, the uranium is mixed with graphite, the material found in pencil leads. The graphite slows the fission down. This graphite-uranium mixture is shaped into bricks and these bricks are mounted in a framework in the tail of the rocket.

From tanks in the nose of the rocket, a gas, the working fluid is pumped into the motor and flows between these bricks trying to escape out the tail of the rocket.

THIS GAS (almost any gas will work) is heated by the heat of fission, expands to many times its original volume, and rushes out the rear end, pushing the rocket forward at tremendous speeds.

This system of propulsion has many advantages over our present type of rocket motors. With hydrogen as the working fluid, a nuclear engine of this type operating at its normal rate, can produce more than twice the power obtainable from our present rockets working at top speed and with perfect efficiency.

Also, since hydrogen is the only fuel and the lightest chemical known, the atomic rocket can go further, faster than a conventional rocket, because it has less dead weight of fuels and tanks, and the other gadgets that go with them, to push into space.

**D.C. Next Stop For Patrol Boy**

Thomas H. Redder, of the Torrey school safety patrol, will head for Washington, D. C. in two weeks to attend the 24th National AAA safety patrol rally.

Thomas, 12, of 1691 Taunton, has been named as Birmingham's official delegate to the rally, May 12-15. He will be among 100 outstanding Michigan patrolers going on the four-day, all-expense trip as guests of Automobile Club of Michigan.

"THIS YEAR'S group of patrolers will have a dual distinction," said Ernest P. Davis, Auto Club safety and traffic director. "Besides representing their 68,000 fellow Michigan patrolers, their participation in the rally will be a highlight of the 40th anniversary of the safety patrol movement which started in Detroit and has become international."

## hardware week SALE

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STANLEY 7 inch BLOCK PLANE Reg. \$3.25 No. 110 ONLY \$2.68

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