

School Integration Works Smoothly in Nation's Capital

By SAUL H. WIGGINS
United Press Correspondent

Washington (U.P.)—After the Supreme Court outlawed racial segregation in public schools last year President Eisenhower

said he hoped Washington would be "an example to the nation" in making integration work.

Today, school officials said they believed the nation's capital had fulfilled the President's expectation.

"It's not perfect yet," said one member of the District of Columbia Board of Education. "But we have made remarkable progress. Things are going very smoothly."

Washington was the first big city with a segregated school system to put the Supreme court's desegregation order into effect.

District of Columbia school officials began integration immediately but gradually at the start of the 1954-55 school year. The scattered student demonstrations last fall—more spectacular than serious—have given way this year to an "all quiet" atmosphere.

School boundaries were not made compulsory for high school seniors last year and they were allowed to attend schools away from their home neighborhoods until graduation if they chose. This year, however, all students are attending schools closest to their homes.

This has led to overcrowding in schools in "mixed" neighborhoods where children used to scatter to segregated schools. In fact, officials feel that integration is now less a problem than overcrowding. Two new high schools and additions to two grade schools are being built.

Negro pupils make up well over half the public school population in Washington and the percentage is rising. Last year White students dropped from 44,779 to 41,358 while Negro attendance climbed from 58,961 to 64,051.

Some Speculation
Some officials believe this is

due in part to an accelerated move to the suburbs by white parents trying to keep their children in all-white or nearly all-white schools. But they emphasize this is "purely speculation."

Complete integration took place this year virtually with-

out incident. Interracial football games are being held, and the rivalry between predominantly white and predominantly Negro schools appears to be healthy—based on athletic prowess rather than racial feeling.

The Parent-Teachers Association at Sousa High school—one of the schools where picketing occurred a year ago—had such success with a mixed prom last June that it plans to hold another. More and more school functions are being planned on an interracial basis.

MEDFORD MAIL TRIBUNE

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Second Section MEDFORD, OREGON, FRIDAY, OCTOBER 28, 1955 Pages 1-8

Production Workers' Hourly Pay Higher

Salem—(U.P.)—Hourly pay of 142,500 production workers went up last month to \$2.26, according to the State Unemployment Compensation Commission.

But cutting of overtime in several industries resulted in a decline in average weekly earnings to \$86.97, nearly \$4 lower than the all-time high of \$90.72 in August.

However, the new weekly figure was \$6.84 higher than a year ago when hourly pay was \$2.15. Workers averaged only 38.5 hours a week last month against 40.8 hours in August.

Shorter work weeks were reported in nearly all seasonal industries.

Snake Bite Note

Boston—(U.P.)—Now you can relax. A spokesman for the Boston Museum of Science says a snake's forked tongue may tickle you but cannot hurt you. It's used for smelling, feeling and tasting, and also warns the snake of danger.

Hopper Trouble

Riverton, Neb.—(U.P.)—A grasshopper shorted electrical circuits in part of Riverton. Linemen found the hopper had become wedged in a transformer on a country line, causing the short-out in the town circuit.

Use Tribune Want Ads

'Traveling Wave Amplifier' Tube Seen Great Boon To Electronics

Washington—(U.P.)—A thing known as "The traveling wave amplifier tube" has normally dead pan electronic engineers glowing like their own electro-luminescent dial faces.

They predict a wonder-filled career for it. It makes possible simultaneous transmission of thousands and even millions of telephone conversations for long distances without scrambling.

Radar Range Extended

It extends the range of radar. It looks like the answer to enemy guided missiles. It already is playing a number of military roles, all of them classified secret.

The new tube was discussed here at a two-day meeting of the electron devices section of the Institute of Radio Engineers.

The big thing about the new tube is its ability to give powerful amplification over a sensationally wide range of frequencies—everything from the human voice on up.

A long thin tube described in a paper presented here is roomy enough in its amplification range to accommodate 4,000,000 voices simultaneously.

The chokes this one tube can perform were either impossible before its development or could be handled only by many ordinary tubes.

George D. O'Neil of Sylvania

Electric Products, Inc., described the traveling wave tube as "amazing," "marvelous," "phenomenal."

A. M. Serang, electronics engineer of Mountain View, Calif., said the tube will be particularly useful in boosting telephone and television signals, many at a time, over long distances.

Because it is capable of picking up extremely feeble signals, the new tube makes it possible to space transcontinental TV and telephone amplifiers much farther apart than formerly.

In the case of radar, the traveling wave tube not only extends range but also cuts down the size and weight of transmitter equipment required. In addition, it reduces the amount of cooling equipment needed for radars aboard airplanes, thus stepping up the crafts' overall efficiency.

Although military uses of the new tube are classified, it was suggested that one of its jobs may be to foul up enemy guided missiles.

Serang said that to counter a guided missile it is first necessary to find out what radio frequencies are used to control it. A traveling wave tube, because it covers a fantastically wide range of frequencies, could spot those used to guide a missile.

With other equipment it would then be a simple matter to

jam the enemy signals and force the missile off target.

Looks Like Ordinary Tube

The traveling wave tube looks much like an ordinary tube except for a long coil of wire. Electrons from a power source are beamed down the middle of the coil.

Meanwhile, the signal to be amplified enters the coil itself. This signal, weak though it may be, causes the electrons to bunch. Before the beam gets to the end of its path, the bunched electrons are delivering powerful packets of current to the coil. Thus the originally weak signal comes out strongly amplified. An "amazing number" of signals can be handled at the same time.

The traveling wave tube was discovered only seven years ago by an Austrian scientist, Dr. Rudolf Kompfner, working in England. For a while it was kept under wraps. Then Dr. John R. Pierce of the Bell Telephone Laboratories went to England and was let in on the secret.

He brought it back to the United States where many men have worked with it since. Its potentialities are only beginning to be realized.

An expert in application of electronics to communications and weapons said its effect in those fields will be "revolutionary."

Potato Regulations Effective Nov. 1

Salem—(U.P.)—A new set of potato grades and standards for Oregon will become effective Nov. 1, according to Frank McKeon, plant chief of the State Department of Agriculture.

The order results from the 1955 revisions of the state potato law. Principal changes from grades now in effect include:

1. Addition of recent federal revisions to the U.S. grades. Five of the nine grades adopted in Oregon follow the federal grade names and standards.

2. Provision for use of U.S. commercial grade, not recognized under the prior state grades. This grade is included at the request of a majority of those attending the hearings which preceded the grade order.

3. Addition of Oregon 034 cent grade to substitute for Oregon combination grade. This grade must meet all quality standards of U.S. No. 1 potatoes, except an increased tolerance is permitted for internal discoloration.

4. Minor changes were made in Oregon standard and Oregon utility grades to bring them in line with Idaho standards for similar grades.

NO JUSTICE

South Kingston, R. I.—(U.P.)—While Chester B. Lakomski was rescuing an exhausted swimmer from East Matunuck Beach, a thief entered his automobile and stole a wallet containing \$22.

Discharged Worker Rams Plane into Bank Building

Los Angeles—(U.P.)—A disgruntled ex-Air Force pilot killed himself when he apparently deliberately crashed his small rented plane into the airport bank branch where he was fired as a teller Tuesday, police said yesterday.

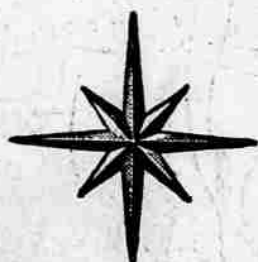
The only injured person besides the crash victim, Benjamin Fauth, 29, was the bank official who fired him. "He apparently tried to get even with the bank," said A. L. Wagon, one of the investigating officers at the crash scene yesterday.

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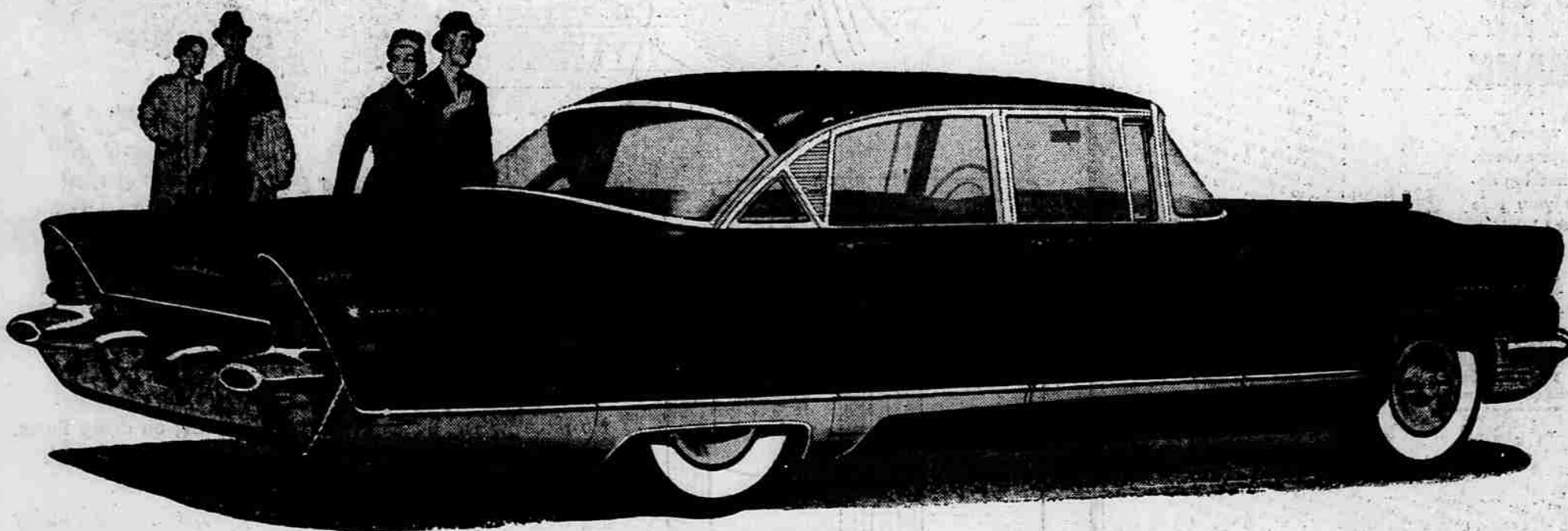
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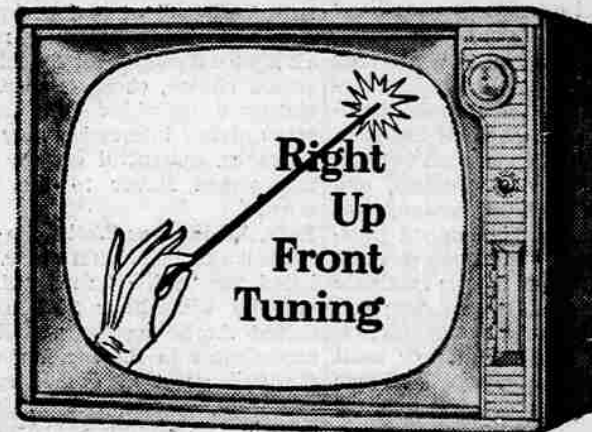
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