



**SEGREGATION PROTESTED** - Pickets march in front of a store in Santa Monica, Calif., to protest southern segregation. Services at Woolworth and Kress stores in Picketers, members of the Southern Cali-

fornia Boycott Committee, call for boycotts and urged better campaigns to obtain "equal services at Woolworth and Kress stores in the South." (UPI Telephoto)

## Psychological Needs of State Youth Not Met, Report Shows

(Editor's note: This is the first in a series of articles on the recently released report of the Governor's Committee on Children and Youth. The articles are written by Ann Sullivan, long-time reporter in Oregon.)

**By ANN SULLIVAN**  
Psychological needs of many Oregon children and youth are just not being met either by their own homes or the other institutions which contribute to family life education.

So relates the Governor's Committee on Children and Youth which has culminated two years of work in a report for Oregon.

Evidence which brings the committee to make such a flat statement as above include:

1. The venereal disease rate

among teenagers has increased greatly.

Figures supplied by the Oregon state board of health show an incidence in 1950 of 40.3 cases of gonorrhea in all ages per 100,000 population, and 48.6 for the 15-19 age group. While the all-age incidence per 100,000 population increased to 53.1 in 1958, the teenage figures was a startling 171 - a 350 per cent increase against about 33 per cent for all ages.

### Rate of Birth

2. The rate of births to mothers not married to the fathers of their children increased in Oregon from 18.5 per 1,000 live births in 1950 to 28.8 per 1,000 in 1957 for women of all ages; against this is set an increase of 50 per cent for girls under 20 and 52 per cent for the 20-30 age group.

(The committee noted that it knew almost nothing about the abortion rate, especially among the teenagers in Oregon, and nothing about the amount of contraceptive information commonly shared among teenagers, or anything definite about the relationship between teenage pregnancies and shotgun marriages.)

3. There is an increase in the rate of teenage marriages. Between 1950 and 1958 these marriages in Oregon increased by one-third. The proportion of teenage brides increased from about 38 per cent of all brides in 1950 to 43 per cent in 1957.

4. There is an increase in the birth rate for teenage mothers. From 1950 to 1957 the crude birth rates dropped from 23.7 to 21.8 per 1,000. Within the same period, births to girls in the 15-19 age group increased from 92.9 per 1,000 to 116.4, a percentage gain of 25.3.

**Reproduce Themselves**  
The committee notes that good families tend to reproduce themselves as children from them are married and in turn establish their own homes.

"Unfortunately," the report adds, "the same may be said of 'bad' families. They tend to reproduce themselves in successive generations."

The report points out that the "goodness" or "badness" of families to some extent are produced or influenced by the total culture of the nation or the community and to some extent by economic factors.

"But ultimately good and bad families result from what the individuals in them have learned about family relationships from life in their own families in childhood. In a sense, even that hard-to-define thing called personality, which influences so strongly the marital relations upon which the family is founded, is developed through learning."

**Recommendations Made**  
The committee makes these recommendations, which in the report carry considerable amplification and explanation:

1. A carefully planned research program should be set up, testing, among other things, social and psychological causes for the phenomena, the weight of the drive for conformity among young people, evaluation of teenage marriages (good or bad), etc.

2. More family counseling services throughout the state. There is almost total lack in Oregon of family counseling agencies where families with difficulties could turn for help. There is no organized non-sectarian family agency except in the Portland area.

There is only limited unorganized service, totally inadequate because it lacks community backing and support. Children are directly affected by the tensions and turmoils of their parents. Many of them are deprived of one or

both parents by separation or divorce, and the juvenile courts and other agencies "pick up the pieces" at great cost.

**School Counseling**  
3. School counseling services under professionally trained personnel should be provided throughout the state. Classroom teachers in Oregon are unable to get help in dealing with behavior problems because "counselors" are either poorly trained or non-existent.

4. It is recommended that institutions of higher education provide more adequate teacher training programs in relation to family life and sex education.

5. It is recommended that more parent education programs be provided throughout the state with respect to family life, child rearing and sex.

6. It is recommended that regional and local conferences and workshops promote more understanding and acceptance of the basic tenets reflected by this report on the part of communities and school administrations.

7. It is recommended that communities be led to recognize the need for better law enforcement, especially in connection with the rising rate of VD among teenagers.

## Electronic Ovens Found Second Best

Wooster, Ohio - (Science Service) - Note to husbands whose wives are pestering them for new, electronic stoves: It came in second best in cooking contest with conventional ovens here.

Studies by Miss Nancy Marshall at the Ohio Agricultural Experiment Station show that electronically roasted beef is lower in appearance, tenderness, juiciness and flavor than comparable cuts cooked in conventional ovens.

Roasts cooked electronically looked dry and were full of holes. Portions of the roasts became so hard they were unpalatable. Only 40 per cent of the original weight was "acceptable meat" after electronic cooking. By comparison, standard ovens turned out 65 per cent acceptable meat.

However, electronic ovens won in speed. They cooked four times faster, averaging 10.7 minutes per pound of meat, while the older method took 45.4 minutes.

## Meter Standard May Be Light Line

Washington - (Science Service) - A non-destructible standard for the international meter has been proposed and is expected to be accepted by the International Conference on Weights and Measures when it meets in Paris in October.

The new standard will define the meter in terms of the orange-red spectral line of light emitted from excited atoms of krypton 86 (isotope with atomic weight 86). The meter will be 1,650,763.73 times the wavelengths of this line.

The suggestion that the meter be based on a wavelength of light is more than 100 years old. Problems delaying its adoption have included finding the most suitable isotope of a usable element and separating a large enough quantity of this isotope for practical use.

**ORE POTENTIAL**  
Escanaba, Mich. - About two billion tons of low grade ore lie within 100 feet of the surface in the Upper Peninsula of Michigan state.

## Non-Fat Solids Said to Improve Taste of Milk

Chicago, (Science Service) - Milk will taste better as the result of the addition of "solids not fat" (SNF). A test for such solids could become a basis for milk buying, replacing the traditional butterfat test.

Taste tests conducted at the University of Arizona and supported by the American Dairy Association are reported by D. H. Jacobsen, research director for the dairy association here.

In milk with a 3.5 per cent butterfat content, milk containing 9.5 per cent SNF was preferred by 60 per cent of those making the test, compared with 40 per cent who preferred milk with 8.5 per cent SNF, the amount found in "regular" milk.

In another test, 3.5 per cent milk containing 8.5 per cent SNF was preferred by 47 per cent, while milk with only two per cent butterfat but containing 10 per cent SNF was preferred by 53 per cent of the persons trying it. The total solids were 12 per cent in both cases, and therefore preference for high solids content does not necessarily mean fat content.

Work is still being done on perfecting a satisfactory test for SNF. One such test involves the use of plastic beads of different density, dropped in a milk sample. The richer the milk in solids, the fewer beads drop to the bottom.

## Tiny Tube Makes Big Telescopes

Washington - (Science Service) - A pint-sized electronic tube has been developed by Westinghouse Electric Corporation that may make big telescopes out of little ones, enabling astronomers to get pictures of the heavens never before obtainable.

Called an Astracon, the light-amplifying tube is said to be so sensitive that it makes visible to the eye every individual elementary particle of light that triggers its ultra-sensitive input. It can increase the effective size, or light-gathering ability, of even the largest telescopes many times over.

The tube, which is also expected to find application in other fields of research such as nuclear physics, was described here to 40 teen-age winners of the 19th annual Science Talent Search, administered by Science Service, by Dr. J. W. Coltman of the Westinghouse research laboratories, Pittsburgh, Pa.

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<b>KADOTA FIGS, Golden Poppy</b> No. 303	19c	6/1.00 14c
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