

**THE PRINCIPLES OF HUMANE EXPERIMENTAL TECHNIQUE**—W. M. Russell and R. L. Burch—*Methuen*, 238 p., \$4.35. This study is the outcome of several years of research on the progress of humane technique in the laboratory, sponsored by the Universities Federation for Animal Welfare in Great Britain.

**RECENT RESEARCH IN MOLECULAR BEAMS:** Collection of Papers Dedicated to Otto Stern on the Occasion of his Seventieth Birthday—Immanuel Estermann, Ed.—*Academic*, 190 p., illus., \$6.50. Scientific papers dealing with present and past research in the field.

**RESEARCH AND DEVELOPMENT IN REACTOR SAFETY:** A Program of the United States Atomic Energy Commission—B. John Garrick, Ed.—*Govt. Print. Off.*, 66 p., illus., paper, 65¢. Review of the present status of AEC research and development directed toward nuclear reactor safety.

**A SHORT COURSE IN ORGANIC CHEMISTRY**—Harold Hart and Robert D. Schuetz—*Houghton*, 2nd ed., 346 p., illus., \$6. Written for students in agriculture, medicine and other groups requiring less than the traditional year's course.

**SYMPOSIA ON CHILD AND JUVENILE DELINQUENCY** presented at the American Orthopsychiatric Association—Benjamin Karpman, Chmn. and Ed.—*Psychodynamics Monograph Series*, 364 p., index, illus. by Wesley R. Wilken, \$10. Reports with analyses and comment by thirty leading child psychiatrists, psychologists and social workers.

**WONDERFUL WHEELS**—Fennie Ziner—*Melmont Pubs.*, 24 p., illus. by Gene Holtan, \$2.50. Introduces young readers to the simplest mechanics of wheels.

Science News Letter, August 22, 1959

#### CONSERVATION

### Aim at Wilderness Vote in Senate Soon

WILDERNESS for America may become a reality after more than two years of hearings.

A "mark up" session was held on Aug. 14 by the Senate Committee on Interior and Insular Affairs. The committee members considered all amendments, some 35 of them, to S. 1123, the Wilderness Bill, and drafted a "final" version of the bill. Supporters of the bill hope to have it reported out for consideration on the Senate floor before this session of Congress ends.

Opponents of the bill, largely those groups who use public lands, seem to have been defeated in their delaying tactics. For two years now they have said, in effect, that land now considered as "wild" should not be preserved as such for future generations. Commercial interests, they maintained, should have an option on these public lands.

During the hearings, two long sessions in Washington and six in various western states, a number of changes have been made in the bill to meet criticisms, yet keep the concept of preserving the nation's remaining wilderness areas.

Among the amendments that the committee considered are the following: 1. eliminate the Wilderness Preservation Council; 2. omit all references to Indian lands; 3. delete language some persons have interpreted as sanctioning unlimited expansion of wilderness areas; and, 4. prohibit admission of areas as part of the Wilderness System unless reviewed by the Congress.

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#### MEDICINE

## Ills High in Suburb

A RAPIDLY growing suburban community is a good breeding ground for ulcers and other tension disorders.

An investigation of three communities, a stable rural area, a moderate-growth, mixed-rural region, and a rapidly expanding suburb, reveals that the mushrooming suburb housed the highest percentage of patients with coronary thrombosis, duodenal ulcer, and high blood pressure and related diseases.

Young women in the expanding suburb were particularly prone to these illnesses which a psychiatrist describes as psychosomatic—originating "in your head."

Young boys ran a close second in this respect, Dr. Richard E. and Katherine K. Gordon, Englewood, N. J., report in the *Journal of the American Medical Association* (Aug. 8).

It is difficult to show why married women and sons, whose rates are rising, were more unstable than the men, when much of the relocating is related to the husbands' new job opportunities, they pointed out.

In present day America, many married

women who move away from parents and familiar neighborhoods are soon exposed to responsibilities for which they are poorly prepared, and for which they receive little assistance, guidance, relief, and relatively less recognition and praise. These women are shy and insecure, the researchers explained.

Turning to the men of such a suburban community, Dr. Gordon explained that many of them are striving to rise socially and economically "out of the working class into subexecutive white-collar jobs and lesser managerial positions."

But they face a serious problem in their rise toward greater executive responsibility because they were not "born to the class" as were many of the men who are top executives. Thus, the upwardly mobile person has to learn everything the hard way and may have a great deal to lose and knows it. Psychosomatic illness and emotional disorders will disappear in the upwardly mobile person only when he feels he is secure and is able to relax, he concludes.

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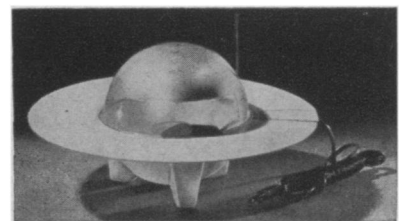
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