

# Physicist Deplores Censor Of Scientific Data on Atom

By JUNE GOETZE  
Assistant News Editor

Dr. Henry D. Smyth, professor of physics at Princeton university, Wednesday night contrasted the individual and international manner in which scientific discoveries were made in the past with proposed plans for government-sponsored laboratories and their inevitability of becoming nationalistic.

In his Chapman hall speech Dr. Smyth explained that the situation was something of a dilemma and asked, "How are we going to work in organized laboratories under some government control and still preserve the kind of freedom that has fostered scientific experimentation?"

### Deplores Restrictions

The physicist deplored the restrictions which now keep scientific information from being circulated freely and disclosed that information on any discovery pertaining to nuclear physics is not publishable unless approved by the atomic energy commission.

Dr. Smyth held, however, that such restriction would be advisable were the United States to enter a war within the next five or six years. He maintained, nevertheless, that if there were no war within the next 20 years, the nation would be strongest in a military way if there were freedom of research internationally.

### War Stops Research

"The war period was a period of cessation of scientific research, and a continuation of a war atmosphere will prevent the healthy rebirth of such research," he said.

Dr. Smyth asked the people in general what they were going to do to control such forces as have been released by nuclear fission.

### International Control

He advocated control on an international scale. "No matter what we do about secrecy, we can't prevent other nations from making the bomb," he commented.

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hill on bikes is a group of college folk, and not the twelve-year-olds from Edison school. We've even seen the kiddies roller skating on the quad in front of the library. Tennis and golf are a little prosaic, but deserve a mention because of their popularity. Horseback riding is a bit of a problem—the horses all have spring fever, too, it seems.

### Feed-the-Ants Week

Oregon, the picnic ground of America! Well that's the way it looks. Some eager beavers have been on six or seven outings already. Everyone knows about that type of picnic peculiar to our school. Heard about a picnic up at the northern branch last Sunday—the group headed out on their bikes with a sack of oranges, another of cookies, and three quarts of milk, and they made it back to the dorm by dark. No one even fell into the river.

Yes, its spring, and who doesn't love it? There's a meadowlark on the telephone pole; the cherry trees back of Friendly are in delicate pink bloom, and, by golly, those lambs you see in the fields on the way to the beach are already half-grown. Seems like 'bout everybody's happy in the spring!

### Campus Contests

(Continued from page one)

where students may obtain membership cards for a fee of \$1. Miss Hanson pointed out Thursday that the object of the coming drive was primarily one of soliciting a large number of individual donations, rather than membership enrollment.



explaining that the fundamental principles are widely known in scientific circles.

The greatest contribution of the United States toward the invention of the atomic bomb was in applying the principles discovered by earlier scientists, he said.

### Resources Aid Perfection

Some of the factors contributing to the United States' perfection of the bomb which he cited were the availability of resources and time, and the interruption of European research by the war.

In his account of the progress of atomic physics during the past 50 years, Dr. Smyth commented that in 1895 the state of physics was considered by many to be well stabilized with little reason to expect further major discoveries.

The prevalent point of view at that time was that everything could be explained in terms of the laws of mechanics, he said.

### Physics Revolutionized

He recounted how the establishment of the existence of atoms, and the discoveries of X-rays, radioactivity, and the electron have revolutionized the study of physics.

Until the publication of the Bohr theory of the structure of the hydrogen atom in 1913, atomic physics had been almost completely an experimental subject, but at that time the theoretical aspect was revealed, the physicist explained.

### Spring Is Sprung

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Only trouble is, you can't even tell if he's good-looking, for ten to one, he's hiding behind a pair of sun glasses which make him look more like a beetle than a man. My goodness, who'd have thought so many convertibles would have come out of their cocoons on the first golden days.

The vacant seats in Latin class indicate, pretty surely, that everyone is, well, someplace else. Even "we sophisticates" become active when spring comes. One has to look twice to realize that the noisy bunch racing down the

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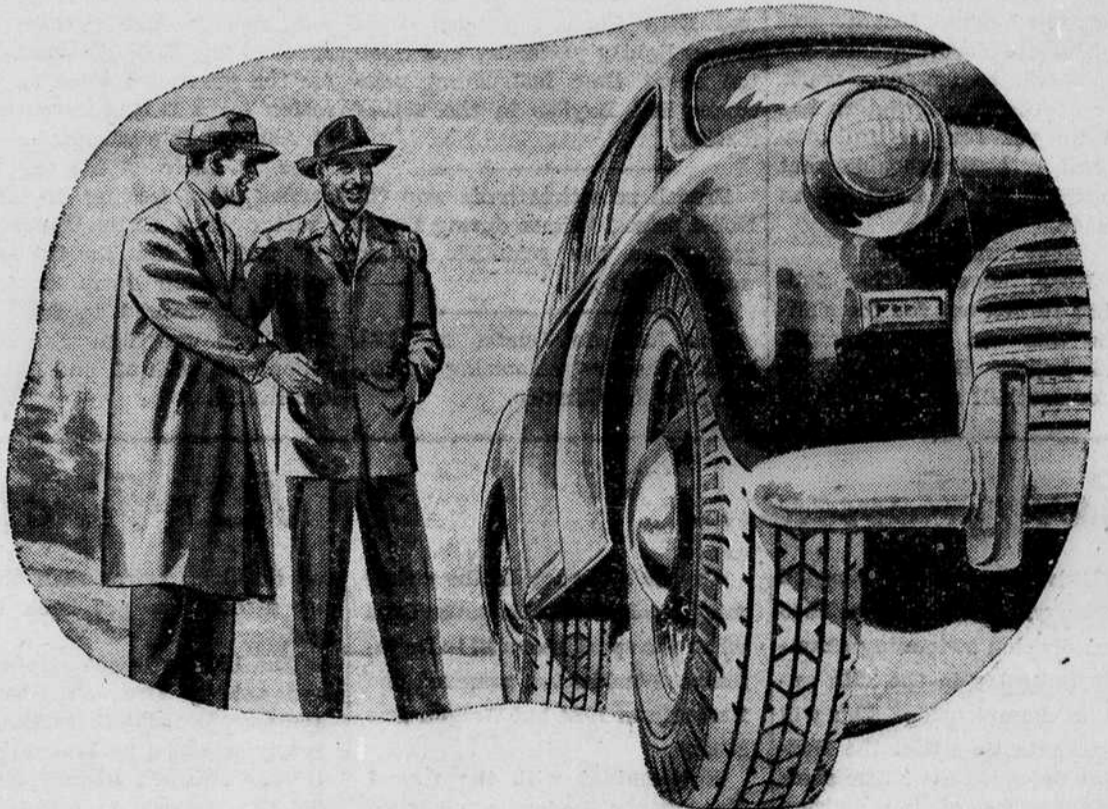
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