Muller Makes Atoms Eisenhower Praises Visible to Human Eyes Television Education

By SUE CONKLIN

Atoms have been a topic of discussion for 100 years, and now, after 19 years' research, Dr. Erwin Muller has been able to make them visible to the human eye.

Dr. Muller, a professor of physics, has invented a field ion microscope through which the regular array of atoms in a crystal lattice can be seen.

Dr. Muller announced the perfection of the microscope, which he has developed and perfected, at the 13th annual meeting of the Electron Microscope Society of America re- lege campuses as a partial solu-

As a result of Dr. Muller's accomplishment, scientists now may observe the atomic structure of a surface where formerly they had to depend mainly on theoretical inter-eral classes at the same time.

the Lion shrine. If fraternities this brought him close to his goal. cannot be at the shrine at the scheduled time, they are to call william Moyer at Delta Upsilon eratures in the ion microscope.

Counseling-

its improvement program, the national vocational testing programs, the freshman faculty advisers, and the freshman orientation program.

All varsity letter winners are urged to attend the Varsity letter winners are urged to attend the Varsity state in Berlin and was a profice to attend the Varsity state in Berlin and was a profice to attend the Varsity state in Berlin and was a profice to attend the Varsity state in Berlin and was a profice to attend the Varsity state in Berlin and was a profice to attend the Varsity state in Berlin and was a profice to attend the Varsity state in Berlin and was a profice to attend the Varsity state of the state College.

New York of the College State College and the States in 1951. He joined ing to Dean Mullen, president of the club.

New York of the College State College.

Prings Will Open

Evolution Lecture

Hubert W. Frings, prefessor of 200logy, will speak on the unity advisers, on the unity and the first in a series of four evolution lectures to be held at 7:30 longht in 214 Frear Laboratory. The four lectures, sponsored by the Zoology Society, will cover to bring the trains will travel on the Bellefonte Central's from Bellefonte Central's form the first final native and the first final native and the state College. The PRR longity in 124 Frear Laboratory. The four lectures, sponsored by the Zoology Society, will cover to bring the trains will travel on the Bellefonte Central's from Bellefonte Central's form the worked at the Kaiser Wilhelm Institute in Berlin and was a profice form to State College. The PRR longity from the football game.

The Pennsylvania R a i I ro ad trains will travel on the Bellefonte Central's from Bellefonte Central's form the first final native form Bellefonte Central's from Bellefonte Central's form Bellefonte Centr

pretations of experiments for their knowledge of the average arrangement of atoms.

Because of their minute size,

(Continued from page one)
the Lion should be guarded in
lieu of the damage done to the
University of West Virginia campus last week by Pitt students.
In conjunction with the IFC action, William Moyer, IFC secretary-treasurer, issued the following list of fraternities and the
hours they are scheduled to guard

Because of their minute size,
atoms have eluded the most powerful optical and electron microscopes.

Dr. Muller first developed an
electron emission microscope with
which he could see a few of the
larger atoms. This did not satisfy
him, however, and in 1951 he de-

Schedule

Worder, sight in the ion microscope.

Pictures Were Blusson microscope.

With best field emission microscope.

His best field emission microscop

(Continued from page one)
DIR, the admissions office testing

The development of the new microscope meant the realization of a goal he has been striving to be properly the time.

Groups

Teaches Graduate Physics

Dr. Muller said he only teaches one course, a graduate physics

State of the group \$16, but that expenses ran to \$16, but that expenses ran to \$14.04. Mortar Board had given the group \$5.00, leaving a balance of \$9.04 to be paid out of the development of the new microscope meant the realization.

The development of the new microscope meant the realization of a good he has been trained by the development of the new microscope meant the realization.

Two Football Trains

Without interruption of the class being taught.

Dr. Clarence R. Carpenter, professor and head of the department of psychology, will report on the television experiment at meetings of the American Association of Land-Grant Colleges and Universities in East Lansing, Mich., this week.

Bo655.

ENGLISH BICYCLES: 1 man's and 1

Will sell separately.

**BASS VIOLIN, flat back, excellent tone—television experiment at meetings of the American Association of Land-Grant Colleges and Universities in East Lansing, Mich., this week.

Two Football Trains

Closed-circuit television in colleges and universities today may well be the greatest single aid to both resident instruction and adult education devised in this century, Dr. Milton S. Eisenhower, president of the University, said in a quote to the New York Times Sunday.

This method, which is not sent out to the general public. is appearing on the nation's col-

tion to the growing shortage of personnel. Through the TV hook-60 Now in Use

thought of SPUDNUTS?

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Dessert AD 8-6184



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Time Is Running Out Last Two Performances This Weekend!

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(Continued from page two) tators will be able to see the

Sixty closed-circuit installations are now in use in American schools. Many institutions of higher learning are teaching television techniques.

Teaching techniques in American the fiash cheers.

According to the new plan a cheerleader, probably the head cheerleader, will call the cheers to the 660 students seated in the section.

Teaching techniques in tencourses have been especially adapted for television here at the University, according to the Times. Among the courses taught are general psychology, chemistry and the psychology of marriage. This fall the University has dependent Men, and the University and the psychology of marriage. This fall the University has broadened a research project, begin last year, to compare the effectiveness of conventional instruction with the same instruction presented over closed-circuit the aisle.

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Neyhart |sonal character traits such as | which is in effect now.

By NANCY SHOWALTER trative head of the institution of public safety, University extension, told the Faculty Lunchcon Club yesterday that in the approximately 50 years Americans have been driving.

"If the accident rate continues

to climb as it has been, the second million will be killed in the next five years," he said.

Neyhart teaches teacher preparation for driver education in the United States, Canada, Hawaii, and Cuba, and is also consultent and writer for the Americal Control of the Americal Control of the Americal Control of the American Control of the American Control of the American Control of the American Control of the Control of the American Control of the Control sultant and writer for the American Automobile Association.

Amos E. Neyhart, adminis-mental, emotional, and physical makeup

2. A lack of traffic knowledge.

3. A lack of driving skill.4. The increase in a devil-maycare attitude concerning driving.

one million people have been ers who have passed a stricter and education," he said.

1.11-1 in automobile aggidents more thorough examination for Accidents also caused a rise in killed in automobile accidents more thorough examination for Accidents also the approximately 50 years the operator's license and, after insurance rates. passing, would take a yearly re-examination.

He cited the example of a test conducted in Ohio which proved that 600 of the people who had driver's licenses were also receiving checks for the blind.

An important phase of the examination would be an interview with a psychiatrist employed by the traffic motor vehicle depart-

Neyhart stressed that people should be interested in the number of traffic accidents not only

"The amount of money spent on Snack • However, these shortcomings traffic accidents in a year is about Any Party can be overcome by capable drivequal to half the money spent on

Still the picture is not so dim," Neyhart said, because progress is being made, especially along the lines of driver education. He explained that about half the high schools in the country now have driver education courses, and 369 colleges and universities offer courses in driver instruction.

The course originated at the He started the first driver ment in each town, who would training course in the country in determine if the applicant were courses open to graduate and 1931 at the University, and the mentally capable of operating a undergraduate students in teacher first teacher-preparation course car.

for driver education in 1936.

The main causes of accidents checking of automobile safety

are human shortcomings, such as: features, as well as the yearly the academic year, when the staff

1. Unfavorable inherited per-compulsory vehicle inspection trains high school teachers.