

Nuke Fluke (Contd.)

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Cold shutdown of the reactor, a state that must be reached before an assessment of damage to the core is considered, occurs when temperatures drop below 212 degrees.

In a related development small amounts of radioactive iodine had been discovered in milk samples from 22 dairy herds in an 18-mile radius of the site. However, the levels were so small that a person could drink that milk for a year without suffering any health effects and that the life of radioactive iodine is only a few days.

Also, some iodine and other radioactive materials had been detected in the industrial waste water released from the plant into the Susquehanna River.

As a result of orders from the NRC and the Pennsylvania Department of Environmental Resources, operators of the plant recently discontinued those discharges. Radioactive particles in the water must still be analyzed further. The plant will, however, be allowed to resume discharges upon completion of those tests.

The radioactive materials to be disposed of consist of damaged fuel rods, contaminated equip-

ment and radioactive water and gases.

in the event of a catastrophe. The process of obtaining the chemical reactions of the hydrogen bubble and the chemical make-up of nuclear fuel were explained. Also discussed was the design of the TMI plant and other nuclear reactors.

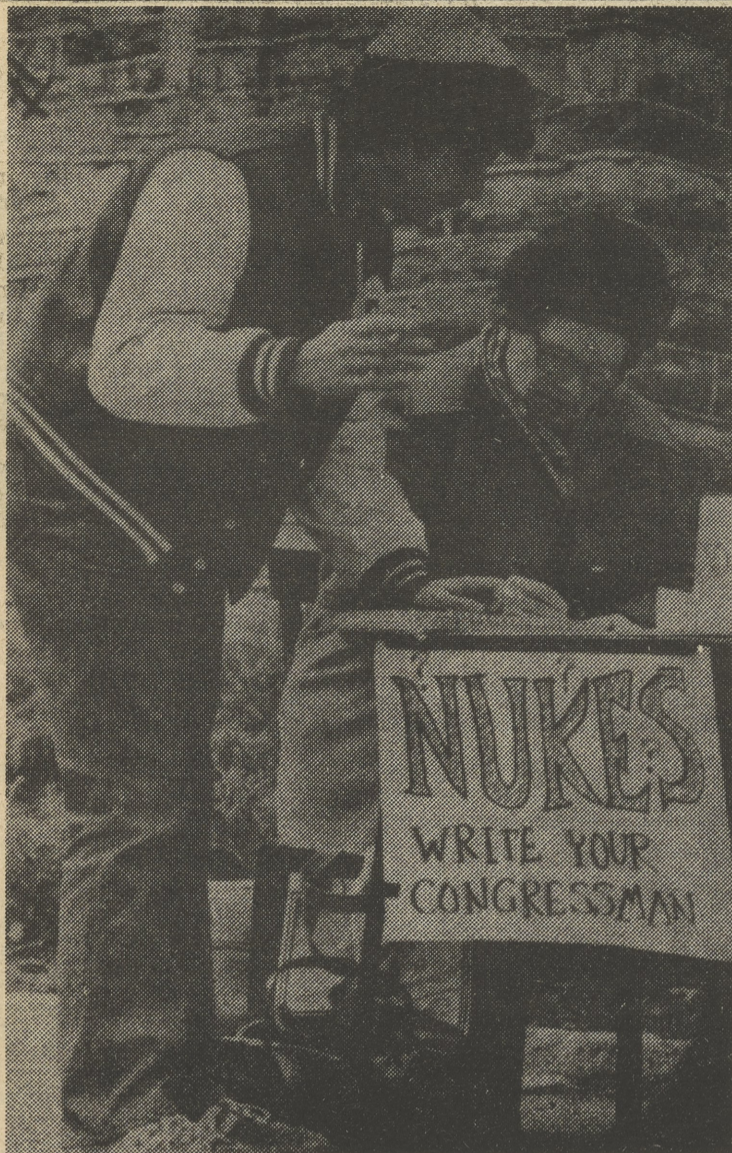
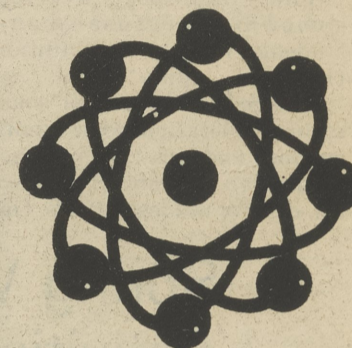
After the presentation the audience was permitted to ask questions and make valid statements. There seemed to be as many experts in the audience as were on the stage. All in all the seminars went very well and were quite worth while.

Seminars at Delco

On Monday, April 2 and on Thursday night, April 5, the faculty of the Delco Campus presented a seminar on "Nuclear Energy & The Problems at Three Mile Island (TMI)." The panel of speakers included Dr. Cooper and Dr. Black from the college of Biology, Dr. Georgopolous and Dr. Dasgupta of Physics, Dr. Morris from chemistry, Mr. Ousey from the college of Earth and Mineral Sciences and Dr. Davis of Psychology. Also on the panel was Dr. Bonner, from University Park. Bonner, who is a nuclear specialist, runs the Mobile Radioisotope Laboratory stationed at the campus.

The panel discussed such topics as the biological and environmental effects of nuclear energy and the problems that could have happened at TMI

— Comiled by Mark Huber, Joe Porrini, Harry MacCartney



Chuck Mazzitti, left, addresses a card to his congressman to protest nuclear energy at a booth staffed by Jeannette McCann of State College, right. The table, near the main campus gate, was intended to create student interest in the anti-nuclear protest.

Did You Know?

... The 1,178 students at the campus in the fall were graduated from 230 different high schools, according to the 1978 Student Statistical Report published by the Office of Student Affairs. The schools sending the greatest number of students to the Delco Campus are:

- 1) Cardinal O'Hara 118
- 2) Sun Valley 101
- 3) Ridley 89
- 4) Upper Darby 74
- 5) Monsignor Bonnor 67
- 6) Marple Newtown 62
- 7) Penncrest 48
- 8) Haverford 46
- 9) East (West Chester) 38
- 10) Henderson (W. Chester) 37
- 11) St. James (Chester) 35
- 12) Springfield (Dela. Cty.) 35

The 750 students from these twelve schools represent 63 per cent of the campus's total enrollment.

With the exception of East and Henderson, all of the above schools are Delaware County. Students from Delaware County (852 of them) make up 72.3 per cent of the campus population there are 141 students from Chester County (representing 12 per cent) and 123 from Philadelphia (10.4 per cent). The rest of the students are from other areas, with Montgomery County (47 students, 4 per cent of enrollment) representing the greatest number.

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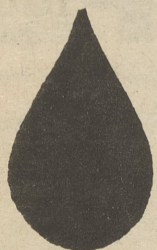
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(Copy deadline for next issue is Monday, April 30)

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on Monday, April 23
or Tuesday, April 24
and GIVE BLOOD.

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