

## Complete Nuclear Physics Teaching Laboratory

At last! An accelerator-based teaching system for less than \$50,000. A lot less if you already have some of the electronics.

By system, we mean first, the equipment: a 400 KeV Van de Graaff accelerator, vacuum equipment, magnet, scattering chamber, detectors, radioactive sources, support electronics, pulse height analyzer, and radiation monitor.

Second, our teaching manual: 30 graded experiments in nuclear physics, explained step by step, enough to fill a 3-semester laboratory course. By then the student will have performed the fundamental experiments of nuclear physics and encountered a great deal of quantum mechanics, atomic physics, and solid state physics.

Research? Yes. In nuclear physics, solid state physics, atomic physics, and activation analysis. The magnet provides for additional research stations where your staff and graduate students can do original work.

It's everything a teaching /research system should be; simple to operate, virtually

maintenance-free, easily modified for different experiments, low initial cost, expandable with optional equipment.



Our booklet, "The Van de Graaff Nuclear Physics Teaching Laboratory," shows just how this equipment and course book combine theory and practice in the modern physics curriculum. We'll be glad to send it to you.

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ago, is to say, in effect, that the role of science in society differs little from the role of mediaeval English. This reversal can lead to a third-order dilution of science support.

Science is, in fact, relevant to national goals and national problems quite apart from its cultural and educational value. It is as relevant to distributed national goals, such as regional economic development, as it is to our centered national goals, such as the conquest of space.

It is probably true that science must gain a broader political base if it is to win, or deserve, continued preferential support. But might this base not be on the ability of science to find answers to regional problems? Need we abandon the concepts of excellence and relevance for the idea of the pork barrel?

Fear within the present crisis seems to have revived a host of ghosts previously laid to rest by the logic of scientists. We should perhaps, even in crises, have less fear of what might be bad for the scientist and give more thought to what science might be good for the nation, such as regionally relevant research.

WILLIAM N. ELLIS United Nations Educational, Scientific and Cultural Organization

## Lubricating communication

You have asked in an editorial how we, the physics community, can help lubricate the channels of communication about what we are doing to the taxpaying public. I surmise you did not expect to be overwhelmed with "geewhiz" ideas.

In Houston, we are trying. The science committee of the Houston Chamber of Commerce and the Houston Chapter of the Society of Technical Writers and Publishers jointly prepare a publication, Science and Engineering in Houston. I have enclosed a copy for you to look at.

Each issue will contain one or more articles on how physics contributes to the community. Fortunately for me, I am the writer of these contributions. The pay is bad, nothing, but it is a change to do something about a problem instead of bellyaching. I have recently written about the number of American Physical Society members in the Houston area—164. I am preparing an article about a hospital with a

physics department—M.D. Anderson Hospital and Tumor Institute.

Please don't construe this as personal horn tooting. I would like to see physicists accepted as contributing members of society instead of longhairs operating maelstroms down which flow tax dollars. Perhaps this is one way we can inform, educate, propagandize—call it what you will.

FRED LEE WILSON

## On canceling a meeting

The issue of canceling or transferring the 1970 American Physical Society meeting scheduled for Chicago has arisen because, according to the judgment of many members (including myself), the conduct of the city administration in Chicago on the occasion of the Democratic convention de-Although practical serves censure. considerations forbid such an action by the society in the present case, it is pertinent to ask whether it would ever be appropriate to remove a meeting from a city as a gesture of displeasure at the city administration.

Of course transferral of a meeting away from a given city would always be justified by any actions of municipal authorities that interfere with the activities of APS members as physicists or that threaten to imperil the safe and efficient conduct of a meeting. An analogous principle is illustrated by APS's long precedent of avoiding cities in which its members are likely to suffer inconvenience from racial discrimination in accommodations. But where no issues specific to physicists or APS activities are involved, one may well question both the ethics and the efficacy of censuring a city administration by a blow that is felt economically only by hotels and restaurants and intellectually primarily by physicists living close to the city in question. It is sometimes argued that if you hurt the hotels, they will put pressure on the city officials. But such pressure is not likely to be strong unless the hotels are indeed hurt economically. (Often they would be glad enough to substitute a salesmen's convention for a physicists'.) And it seems to me that it is morally wrong to violate a contract or even an informal agreement. thereby inflicting economic injury on the hotels if these are only innocent bystanders to the reprehensible actions of the city government.

There remains the question of trying to influence public opinion by making