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## Expansion

This name plate has marked the front door of Technical Operations, Incorporated at 6 Schouler Court in Arlington, Massachusetts, since the company was founded in 1950. Now, expanded into larger operations at Washington, D. C., Monterey, California, and Fort Monroe, Virginia, Technical Operations also moves to new offices and laboratories in Burlington, Massachusetts . . .

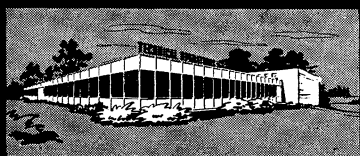
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South Avenue  
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ous treatment of a disease by symptomatic measures alone. In an unenlightened age this was the best that good men could do. Medical ethics today, however, demand serious consideration of all the underlying pathological processes at work, and the best possible treatment directed thereto.

It is my expectation that, if we do not learn to look around us and see what we do in the context of the whole, then we, as physicians or as any other self-defined group, will be taken at our own valuation and used by others as technicians.

I would be interested to know what others think.

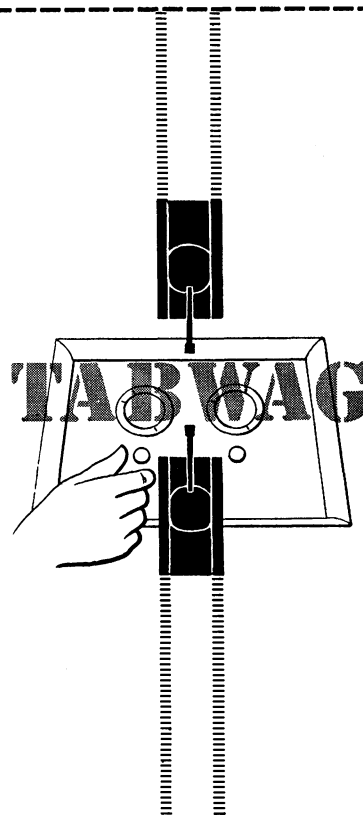
BRUCE H. BUCHANAN  
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### Research in Science Teaching

A recent editorial, "The fetish of experiment" [*Science* 125, 177 (1 Feb. 1957)] appears to call for the return of science to the Middle Ages. To state, "There are other educational changes that lend themselves to experimental study, but many of the current efforts to improve the teaching of science and mathematics do not," is admitting a dogma and an unscientific attitude as well as an unwillingness to bring in highly qualified research people in the teaching of science. I agree that many of the problems of teaching do not lend themselves to experimental procedures as employed by the physical scientist. However, there are many excellent instruments and methods of evaluation that could determine how effective a given program or approach to teaching science and mathematics can be. Sound techniques in evaluation are adequate for many kinds of teaching problems and may be as effective as experimental procedures which frequently do lend themselves to "fetish of experiment."

Very few scientific organizations and scientists are aware of the existence of the National Association for Research in Science Teaching, which publishes detailed abstracts of doctoral studies in the teaching of science in its official journal, *Science Education*. Not many scientists who are much concerned with the improvement of teaching science have taken the time to examine related studies that have appeared in this journal. The National Science Foundation supports science teachers in summer institutes when they continue their studies in the sciences. No provisions are made at the same time for these teachers of science to be brought up to date in the research work pertaining to the improvement of science instruction. An effective science teacher should be kept up to date, both in the current research in science and in the research of the teaching of science.

NATHAN S. WASHTON  
Queens College, Flushing, New York



*Tabwag* . . . a war-gaming experiment by the Combat Operations Research Group, to evaluate performances of armored vehicles, their speed, armor, weapons and other capabilities, by map games utilizing computers and other scientific techniques. Short for "tank battle war game." Typical of work done by CORG scientists to assist in developing new tactics, weapons systems and organizations for the U. S. Army.

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