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IMPROVED
NEUTRON
DOSIMETER
THAT GOES
ANYWHERE
YOU CAN GO

Take the Nemo® spherical neutron dosimeter up or down stairs, over cables, or anywhere you wish to roll it on its easy-to-move caddie cart. Remove the sphere and ratemeter unit and walk with them. Both units weigh only about 27 pounds, just about the weight of your two-suiter.

The Model 9140 spherical dosimeter, like its popular predecessor, Model 9120, closely approximates human body dose for all neutrons from thermal to 10 Mev energy. Its self-contained read-out unit can be either a battery-oper-

ated ratemeter with optional chart recorder or a 10^6 capacity a-c operated scaler. Its detector head contains a $Li^{61}(Eu)$ crystal surrounded by a 10-inch sphere of polyethylene.

Please write for latest performance data.

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good and proper reasons, in advancing physical knowledge. The intolerance of one for the other causes frustrations that are difficult to overcome.

H. Craig Sipe

George Peabody College for Teachers

The American Society of Mechanical Engineers has asked its members to comment on engineering curricula. Two of my comments are as follows:

- Is there too much non-essential course work in present curricula? One example is mathematics. It has been noted that after leaving college, well over 90% of the graduate engineers never use mathematics more complicated than elementary calculus and probably 80% never use calculus.

- Are some courses of very little use to graduate engineers? Probably the best example is physics. This course, extremely fundamental to engineering, has been changed from a wonderful set of physical concepts to a mathematical mumble-jumble. It is no longer useful in the main stream of an engineer's thinking but only as a specialized thought pattern to be used on certain occasions.

Our youngest daughter recently completed a high-school course in physics. It was a "tough" course and she obtained high grades. The sad thing was that she did not learn anything significant about heat, mechanics, sound, electricity or magnetism, but [she did learn] some "new approaches" to nuclear phenomena, plasma physics, astronomy and elementary-particle physics. She had enough of physics and still doesn't know what happens when water freezes or boils.

Maurice Nelles

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A correction: We regret the following typographical errors in the letter by W. B. Lewis published last month: The name "Leland" should be "Leland" and "Lamour" should be "Larmor." In the next-to-last paragraph, "... from this theory (by then current) ..." should be "... from this by theory (then current) ..." In the last paragraph, "... distribute as in ..." should read "... distribute as if. . . ." □