LETTERS

EDITORIAL
The Future of Graduate Education, If Any: N. Hackerman

ARTICLES
Contribution of R & D to Economic Growth in the United States: E. Mansfield
Ethics and Population Limitation: D. Callahan
“Non-Concept” of “No-Threshold”; Chemicals in the Environment: B. D. Dinman

NEWS AND COMMENT
Freedom of Information: Officials Thwart Public Right to Know
Public-Interest Advocates Examine Role of Scientists
National Science Foundation: The House That McElroy Built

RESEARCH TOPICS
Solar Neutrinos: Where Are They?

BOOK REVIEWS
Outcasts from Evolution, reviewed by J. C. Burnham; The Origins of Theoretical Population Genetics, M. T. Ghiselin; Homeopathy in America, J. H. Young; Animal Psychophysics, N. Gutman; Molecular Properties of Drug Receptors, A. Burkhalter; The Micropalaeontology of Oceans, W. H. Berger; Advances in Cell and Molecular Biology, M. P. Maguire; Spectrochemical Methods of Analysis, M. Margoshes; Books Received

REPORTS
Deuterium Content of Peat as a Paleoclimatic Recorder: W. E. Schiagl
Venus: Topography Revealed by Radar Data: D. B. Campbell et al.

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Visibility and Soiling: A Comparison of the Effects of Leaded and Unleaded Gasolines: J. M. Pierrard ................................................................. 516


Crystallization Studies of Lunar Igneous Rocks: Crystal Structure of Synthetic Armalcolite: M. D. Lind and R. M. Housley 521

Lystrosaurus Zone (Triassic) Fauna from Antarctica: J. W. Kitching et al. 524


Crystalline Cholera Toxin and Toxoid: R. A. Finkelstein and J. J. LoSpalluto 529

Microsomal Lipid Peroxidation: Morphological Characterization: A. U. Arstila, M. A. Smith, B. F. Trump 530

Opossum Fetuses Grown in Culture: D. A. T. New and M. Mizell 533


Prostaglandin E1 in Preparation and Storage of Platelet Concentrates: G. A. Becker et al. 538

Prostaglandins in the Preparation of Blood Components: C. R. Valeri et al. 539


Procollagen: Conversion of the Precursor to Collagen by a Neutral Protease: P Bornstein, H. P. Ehrlich, A. W. Wyke 544


Attention to Sensory Stimuli: Central Control in Locusts: J. M. Camhi and M. Hinkle 550

Locust Motoneurons: Bursting Activity Correlated with Axon Diameter: M. Hinkle and J. M. Camhi 553

The Future of Graduate Education, If Any

It is reasonable to assume that graduate education in the United States developed on undergraduate college campuses because its presence was somehow synergistic with respect to the higher education enterprise. The most important factor was probably the presence of a cadre of scholars engaged in the learning pursuit, both with neophytes and on their own. In addition, libraries, laboratories, and skilled artisans were available.

For half a century or more, the whole clearly exceeded the sum of the parts, whether considered from the viewpoint of quality, cost effectiveness, or a combination of both. Now, however, the proliferation of graduate programs on the individual campus, the increase in the number of campuses providing graduate education, the current oversupply of these graduates, and the seeming inflexibility of many people with advanced degrees calls into question the synergism argument in favor of graduate education on the country's campuses.

The rationale for expanding doctoral-degree programs in many disciplines was originally based on the need for more holders of Ph.D.'s and on the proposition that the programs were required to attract and hold better faculty.

The push for more holders of Ph.D.'s derived, in part, from an implicit belief that the economic well-being of a societal entity is at least a linear function of the number of advanced degrees in that entity. This is an extension of the level of literacy argument and probably is not valid. The idea that graduate programs would attract and hold better faculty was not valid, unless the reason for attracting and holding this faculty was to provide more adequate instruction for undergraduates. That is, the basic reason for having the undergraduate-graduate combination must be to enhance the total enterprise, both academically and economically—and there must be evidence of such enhancement.

There has been no evidence at all, until very recently, and this is not yet assessable. Moreover, although poor graduate instruction has been concomitant with some good creative work, it has also, unfortunately, been concomitant with much mediocrite creative output. The latter derives not only from some faculty members' desire for sinecures, but also from the habit of minimizing the importance of mission-oriented problem solving. Thus, some individuals admirably suited to the latter perform only moderately well at the traditional academic tasks.

What is the solution? No single one stands out. but several possibilities present themselves. One is to continue seeking increased support for increased costs, as well as for expansion. Another is to (self-) limit proliferation on the individual campus by not acceding to the "attraction" argument. A third is to limit the number of universities offering a broad spectrum of courses. A fourth is to decide that the enhancement no longer obtains and, therefore, to separate graduate from undergraduate education. There are undoubtedly other possibilities, or at least variations and combinations of these four.

The fourth deserves a little elaboration. Proliferation of graduate activity has been riding on the back of expanding undergraduate installations and is, therefore, not readily controllable. The separated system is not unknown—for example, the freestanding postbaccalaureate professional schools. These are expensive, both on an absolute and on a per student basis, but for this very reason the number will be, in part, self-limited.

Nowhere in this is there any argument or any implication that is intended to diminish the continuing vitality of graduate education as an important national objective. The reason for raising the various possibilities is that the problem is serious and its solution should transcend personal preferences.—NORMAN HACKERMAN, president, Rice University, Houston, Texas 77001