

Letters

(Continued from page 298)

made after removal by filtration of almost all living plant and animal cells and larger particulate matter. We were interested in whether the bound polyphosphates on clay micelles can be released and used by phytoplankton, but we had difficulty with analyses of soluble phosphorus and did not get all the data desired. Several analyses showed, however, that soluble phosphorus was almost nil, indicating the complete removal of this form by plankton. Furthermore, we did have several short-period (rather than minor) blooms of phytoplankton which almost certainly required more than minimal quantities of phosphorus.

A single bloom of *Anabaena* in each of the two more fertile ponds reached 10,000 and 40,000 colonies per cubic centimeter, respectively. In two ponds the average population of phytoplankton was around 300 to 500 cells per cubic centimeter.

We have a longer paper in preparation which gives more complete data.

L. A. WHITFORD

RONALD C. PHILLIPS

North Carolina State College
School of Agriculture, Raleigh

Professions

The letter entitled "What is a profession?" [*Science* 129, 1688 (1959)] prompts me to send you the definition credited to Justice Brandeis: "A profession is an occupation requiring preliminary *intellectual* training, pursued primarily for others and not merely oneself, and accepting as the measure of achievement one's contribution to society rather than individual financial reward."

A. R. PATTON

Colorado State University, Fort Collins

W. W. Benton, in his letter "What is a profession?," states, "Only three of these require certification, namely, medicine, education and, *in some states, engineering*" (*italics mine*).

This statement is incorrect, as all our 50 states and Puerto Rico now require registration for an engineer to practice. This, of course, means independently and for a consideration. Thus, an engineer can practice his profession without being registered if this is done under the supervision of a registered professional engineer, who assumes the responsibility for such engineering work.

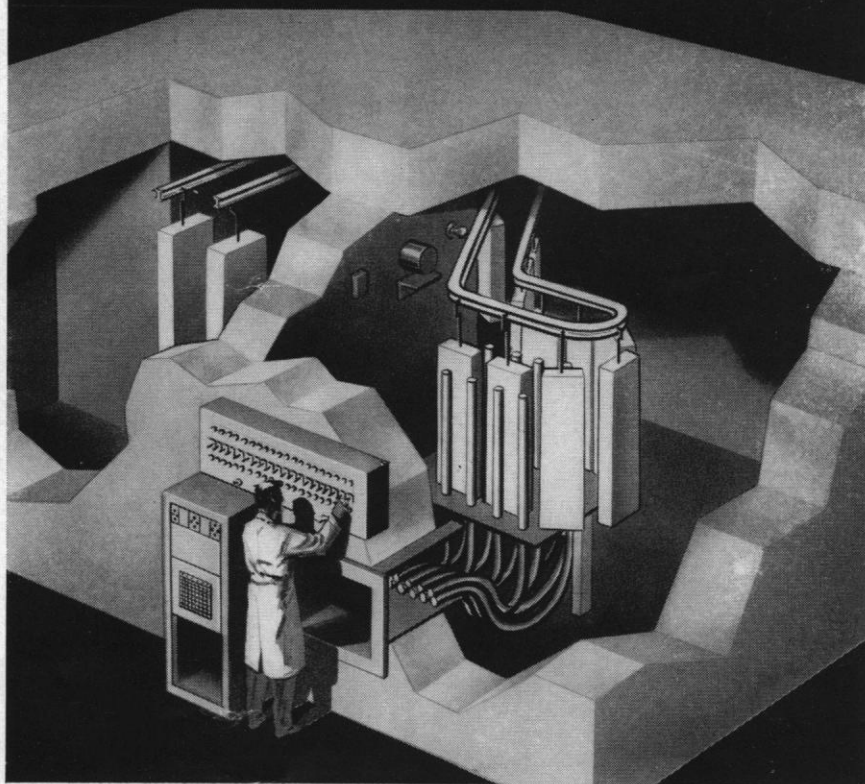
SAMUEL I. SACKS

706 Widener Building,
Philadelphia, Pennsylvania

7 AUGUST 1959

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Irradiations can be carried out on a research or production development scale, batch or continuous basis. The MAGI is ideally suited for prototype use in the fields of food, agriculture, chemistry (including plastics and petroleum), biology, medicine, and materials testing.

<p>PRINCETON DIVISION</p> <p>CURTISS-WRIGHT</p> <p>CORPORATION • PRINCETON, N. J.</p>	<p>Write for literature describing the MAGI in detail</p>
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Address your inquiry to:

Dr. Michael J. Vaccaro
Goddard Space Flight Center

NASA

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Mathematician, to teach day and some evening courses in upstate New York college. Courses through numerical analysis. Rank and base salary negotiable. Attractive retirement plan. Opportunities for research or increment teaching. Ph.D. preferred. Physicist also desired. State qualifications to Assistant Dean, Utica College of Syracuse University, Utica, New York. X

Microbiologist-Biochemist, Ph.D. for basic studies in macromolecular synthesis (DNA, RNA, protein). Large research institute. Active research group research associateship. Box 174, SCIENCE. 7/24, 31; 8/7

Microbiologist-Biochemist. Recent or prospective Ph.D. Research fellowship for biochemical studies on autotrophic bacteria. Active biology department. Box 187, SCIENCE. 8/7, 14, 21

Pharmacologist, M.D. or Ph.D. to organize and direct new laboratory in growing pharmaceutical operations of N.Y.S.E. listed company. Candidate should have broad interest, practical approach and working familiarity with evaluation procedures in diverse fields of drug action. Excellent opportunity for well-trained young man for key position. Submit résumé, discussion of interest, photo, and salary requirements. Confidence will be fully respected. Box 190, SCIENCE. 8/21

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Physicist, M.S. or Ph.D., for radioisotope and metabolic research program of 727 GM&S bed Veterans Administration Hospital affiliated with Indiana University Medical School. Work will consist of metabolic research and biological and medical applications of isotopes. Background in mathematics for dosimetry, body distribution studies, statistics, and knowledge of nuclear instrumentation required. Starting salary \$7510 or \$10,130 per annum, depending on experience and education. Position is in the Career Civil Service and will be filled through the competitive system. Write Personnel Officer, Veterans Administration Hospital, 1481 West Tenth Street, Indianapolis, Indiana. 8/7, 14

Physiologist, Ph.D., or M.D. Research associate in cardiovascular program in eastern medical school. Position open 15 September 1959. Box 192, SCIENCE. X

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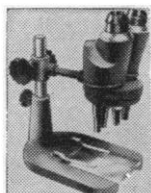
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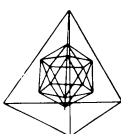
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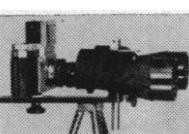
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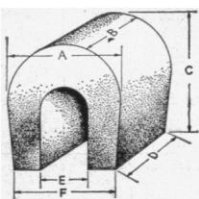
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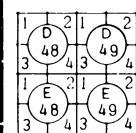


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1105-B.	12	do.	do.	A	without	do.	6.50
1105-D.	12	do.	do.	B	with	V-shape 53 cu. in.	9.65
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1105-H.	22	Mouse Cage, in accordance with U. S. N.I.H. Spec. FG-84	11 ½ in. long × 7 ½ in. wide × 5 in. high	A	with	round 23 cu. in.	6.50
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