ing phytoplankton. Pure cultures in artificial sea water are being used to study the secretion process and experimental conversion of the material to particulate

Peter J. Wangersky has recently demonstrated that particulate matter can be produced experimentally by bubbling air through artificial sea water containing traces of amino acids. The material so formed has a molecular weight in excess of 3500 and appears to be true polypeptide. In considering the organic syntheses that may have preceded the origin of life, earlier work by Miller and Abelson has shown that production of amino acids from inorganic materials is feasible under supposedly "natural" conditions, but further synthesis to polypeptides has been accomplished only with large concentrations of materials and at relatively high temperatures. Thus, Wangersky's experiment, which incidentally is effective only in a salt solution and yields negative results with an amino acid solution in distilled water, is of very considerable interest.

GORDON A. RILEY

Bingham Oceanographic Laboratory, Yale University, New Haven, Connecticut

References

- 1. W. H. Sutcliffe, E. R. Baylor, D. W. Menzel,
- Deep-Sea Res. 10, 233 (1963).
 E. R. Baylor and W. H. Sutcliffe, Limnol. Oceanogr. 8, 369 (1963).

3. G. A. Riley, ibid., p. 372.

Forthcoming Events

January

19-24. American Chemical Soc., 146th natl. meeting. Denver, Colo. (ACS, 1155 16th St. NW, Washington, D.C.)

20-15. Commission for Aeronautical Meteorology, World Meteorological Organization, 3rd, Paris, France. (WMO, 41 Ave. Giuseppe-Motta, Geneva, Switzerland)

20-22. American Inst. of Aeronautics and Astronautics, aerospace sciences mtg., New York, N.Y. (R. R. Dexter, AIAA, 2 E. 64 St., New York 21)

Cardiovascular Drug Therapy, symp., Philadelphia, Pa. (S. Rosen, Dept. of Medicine, Hahnemann Medical College and Hospital, 230 N. Broad St., Philadelphia 2)

20-24. American Mathematical Soc., Miami, Fla. (AMS, 190 Hope St., Providence 6, R.I.)

20-24. Australian and New Zealand Assoc. for the Advancement of Science, Canberra (J. R. A. MacMillan, Faculty of Agriculture, Univ. of Sydney, N.S.W., Australia)

20-27. Agricultural Film Competition, 3rd intern., Berlin, Germany. (Congress Hall, John Foster Dulles Allee, Berlin N.W. 21)

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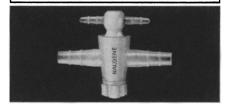
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22-25. American Physical Soc., New York, N.Y. (APS, Columbia Univ., New York, N.Y.)

22-25. American Assoc. of **Physics Teachers**, New York, N.Y. (E. U. Condon, Oberlin College, Oberlin, Ohio)

23. Central Council for **Health Education**, annual conf., London, England. (Director. CCHE, Tavistock House, Tavistock Sq., London, W.C.1)

23-24. Industrial Water and Waste Conf., Austin. Tex. (J. B. Maline, Jr., 305 Engineering Laboratories Bldg., Univ. of Texas. Austin 12)

25. Industrial Hygiene and Air Pollution, 8th conf., Austin, Tex. (J. O. Ledbetter, 305 Engineering Laboratories Bldg., Univ. of Texas, Austin 12)

Bldg., Univ. of Texas, Austin 12)
27-30. Society of **Plastics Engineers**,
20th annual technical conf., Atlantic City,
N.J. (J. J. McGraw, Natl. Vulcanized
Fibre Co., Philadelphia, Pa.)

27-31. UNESCO, working party on scientific translation and terminology, Rome, Italy. (UNESCO, Place de Fontenoy, Paris 7)

28-30. Entomological Soc. of America, southeastern branch, Asheville, N.C. (W. C. Nettles, Clemson College, Clemson, S.C. 29631)

29-31. American Meteorological Soc., 44th annual, Los Angeles, Calif. (A. Court, 17168 Septo St., Northridge, Calif.)

29-1. Southwestern Federation of Geological Societies. 6th annual, Midland, Tex. (W. E. Wadsworth, AAPG, 1444 S. Boulder, P.O. Box 979, Tulsa 1, Okla.)

29-1. Western Soc. for Clinical Research, 17th annual, Carmel-by-the-Sea, Calif. (H. R. Warner, Latter-Day Saints Hospital, 325 Eighth Ave., Salt Lake City, Utah)

30-31. Spontaneous and Experimental Comparative Atherosclerosis, conf., Beverly Hills, Calif. (E. McCandless, Los Angeles County Heart Assoc., Los Angeles 57, Calif.)

February

2-5. American Inst. of Chemical Engineers. annual. Boston, Mass. (J. Henry, AICE, 345 E. 47 St., New York, N.Y. 10021)

2-7. Institute of Electrical and Electronics Engineers, winter meeting. New York, N.Y. (A. P. Fughill, Detroit Edison Co., 2000 Second Ave., Detroit, Mich. 48226)

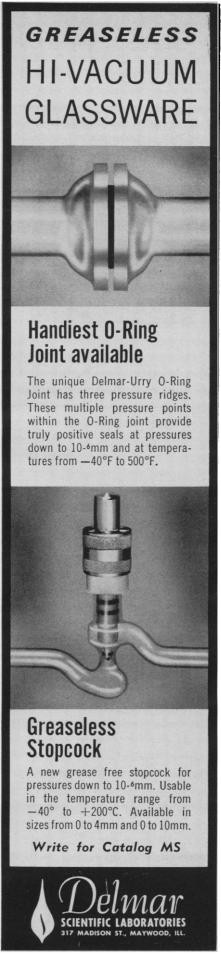
2-8. **Teratology**, workshop, Commission on Drug Safety. Gainesville. Fla. (D. C. Trexler, Commission on Drug Safety, 221 N. LaSalle St., Chicago, Ill. 60601)

2-11. Scientific-Technical Documentation and Information, intern. congr., Rome, Italy. (I. M. Lombardo, La Produttivita, Viale Regina Margherita, 84d, Rome)

3-4. Society of **Rheology**, Claremont, Calif. (T. L. Smth, Stanford Research Inst., Menlo Park, Calif.)

3-4. Perspectives in Virology IV, Gustav Stern symp., New York, N.Y. (M. Pollard, Lobund Laboratory, Univ. of Notre Dame, Notre Dame, Ind.)

3-7. **Materials**. intern. conf., Philadelphia, Pa. (A. G. H. Dietz, Dept. of Building Engineering, Massachusetts Inst. of Technology, Cambridge, Mass.)



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