

enzymes. We are using the poly U system to determine whether the code for phenylalanine is the same in different species.

Summary.—Phenylalanine-soluble RNA was shown to be an intermediate in the cell-free synthesis of polyphenylalanine directed by a synthetic template RNA, polyuridylic acid.

We wish to thank Mrs. Linda Greenhouse for her excellent help in performing some of the analyses.

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† The following abbreviations are used: Polyuridylic acid, poly U; polycytidylic acid, poly C; RNA, ribonucleic acid; DNA, deoxyribonucleic acid; sRNA, soluble ribonucleic acid; RNAase, ribonuclease; ATP, adenosine triphosphate; UTP, uridine triphosphate; CTP, cytidine triphosphate; and GTP, guanosine triphosphate; PEP, phosphoenolpyruvate; and PEP kinase, phosphoenolpyruvate kinase.

‡ That this may be the case is suggested by preliminary experiments performed in collaboration with Harry Gelboin showing that poly U does not stimulate incorporation of C¹⁴-phenylalanine in a rat liver amino acid-incorporating system. Similar results have been obtained by S. Ochoa (personal communication).

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¹¹ We thank Robert Martin for performing these determinations for us.

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ERRATUM

In the article entitled "On the Energy Transfer in Biological Systems," by John Avery, Zoltan Bay, and Albert Szent-Györgyi, which appeared in the November issue of volume 47 (1961), the equation at the top of page 1743 should read:

$$\int \Psi_f^* H' \Psi_i d\tau = \int (\Phi_0 \xi_1)^* H' (a_1 \Phi_1 + a_2 \Phi_2 + \dots + a_N \Phi_N) \xi_0 d\tau = a_m \int (\Phi_0 \xi_1)^* H' \Phi_m \xi_0 d\tau.$$