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Nota di contenuto	Isotopes in Biochemistry; Foreword; Contents; Opening Address; Part I- Steroids; Metabolism of <sup>14</sup> C-labelled steroids; High cholesterol content of human spleen; The biosynthesis of radioactive cholesterol br surviving liver slices; Studies with deuterium steroids; Part II- Hbmoglobin and Metabolic Derivatives; The biosynthetic mechanism of porphyrin formation; Studies on mammalian red cells; Preliminary investigations for a study of energy utilized by the surviving fowl erythrocyte in hsem synthesis; Iron metabolism in pathological conditions Part III-Use of Tracers in the Study of Biological Effects of RadiationThe modification of X-ray sensitivity by chemicals; Effect of X-rays on nucleic acid and protein synthesis in the Jensen rat sarcoma; Radiation dose in tracer experiments involving auto-radiography; Synthesis of deoxyribose nucleic acid and nuclear incor- poration of <sup>35</sup> S shown by autoradiographs; Part IV-Nucleic Acids; The biosynthesis of pyrimidines in vitro; Studies with organic- and bio-synthetic nucleosides and nucleotides; The use of radiophosphorus in the study of the nucleic acids

Rate of synthesis and quantitative variations of the ribo- nucleic acid during the growth of a culture of *Polytomella coeca* Part V-Proteins and Amino-Acids; A method for the evaluation of the rate of protein synthesis in man; Turnover rates during formation of proteins and poly- nucleotides in regenerating tissues; Synthesis of phenylalanine and tyrosine in yeast; Part VI-Carbohydrate and Fatty Acid Metabolism; A study of acetone metabolism, using glycogen and serine as indicators, and the role of C1-compounds in metabolism; Asymmetric citric acid  
Mode of formation of fatty acids from acetate and glucose, as studied in the mammary gland

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