SUBJECT INDEX 409

from foetal and adult rat liver (Berger, Hommes) (314) 1

Reaction centres

Fluorescence excitation spectra and the relative numbers of pigment molecules in —— from Rhodopseudomonas spheroides (Slooten) (314) 15

Respiratory chain

of Azotobacter vinelandii. II. The effect of cyanide on cytochrome d (Kauffman, van Gelder) (314) 276

Respiratory chain

Inhibition of the mitochondrial —— by alkylhydroxynaphthoquinones: Reversal on discharge of the energized state (Howland et al.) (314) 154

Respiratory sites

Energy transduction in photosynthetic bacteria. VI. —— of energy conservation in membranes from dark-grown cells of Rhodopseudomonas capsulata (Baccarini Melandri et al.) (314) 298

Site I

Studies on the energy coupling sites of photophosphorylation. I. Separation of —— and Site II by partial reactions of the chloroplast electron transport chain (Gould, Izawa) (314) 211

Site II

Studies on the energy coupling sites of photophosphorylation. I. Separation of Site I and —— by partial reactions of the chloroplast electron transport chain (Gould, Izawa) (314) 211

Structural proteins

Orientation of pigments and —— in the photosynthetic membrane of spinach chlo-

roplasts: A linear dichroism study (Breton et al.) (314) 42

Superoxide free radical

Role of the —— ion in photosynthetic ascorbate oxidation and ascorbate-mediated photophosphorylation (Elstner, Kramer) (314) 340

Terminal oxidase

CO-binding pigments and the functional — of the trypanosomatid hemoflagellate Crithidia fasciculata (Kusel, Storey) (314) 164

Thrombosthenin

Calcium ion control of platelet — ATPase activity (Hanson et al.) (314) 382

Thylakoid membrane

Thylakoid space

Alkalization of the chloroplast stroma caused by light-dependent proton flux into the —— (Heldt et al.) (314) 224

Trypanosomatid hemoflagellate

CO-binding pigments and the functional terminal oxidase of the —— Crithidia fasciculata (Kusel, Storey) (314) 164

Water-splitting enzyme system Y

Action of 3-(3,4-dichlorophenyl)-1,1-dimethylurea on the —— of photosynthesis (Renger) (314) 113

Water-splitting enzyme system Y

Studies on the mechanism of destabilization of the positive charges trapped in the photo synthetic — by a deactivation-accelerating agent (Renger) (314) 390

ERRATA

- p. 186, line 25 from bottom: change " ^{1}IC -" into " ^{14}C -". line 23 from bottom: change " $^{10}500+g$ " into " $^{10}500\times g$ ".
- p. 187, Eqn 6 should read: $\ln (100 - \% \text{ exchange}) = [-v(E+I)t/EI] + \ln 100$
- p. 676, Figs 1 and 2 should be interchanged.