

INDEX

VOLUME XXIII

1950-1954

Aitken, H. E. See McCallion, D. J.....	112
Aldous, J. G. The Specificity of Action of Iodoacetic Acid as Determined by its Effect on the Enzymes of the Intact Cell.....	107
Aldous, J. G. and Stewart, K. D. Enzymatic Activity as an Indication of the Intracellular pH of the Yeast Cell.....	114
Aldous, J. G. and Stewart, K. D. A Comparison of the Effects of Ultra-violet and X-Ray Radiations upon some Enzymes of the Yeast Cell.....	155
Aldous, J. G., Wenning, A. S. and Levine, J. D. Studies on the Metabolism of Procaine Hydrochloride in the Rabbit.....	383
Allen, Thelma and Young, E. Gordon. A Nutritional Study of Children in Halifax.....	156
Archibald, W. J. See Guptil, E. W.....	113
Archibald, W. J. Some Considerations on Schrodinger's Equation.....	157
Archibald, W. J. The Relativistic Schrodinger Equation..	383
Bailly, Jane. See Bell, Hugh P.....	108
Baker, J. R. See Weld, C. B.....	107
Bancroft, M. F. The Geology of Cape D'Or, Cumberland County, N. S.....	387
Banks, R. E. and Longard, J. R. A Study of the Effect of Weather on Coastal Water Conditions off Halifax, N. S.....	109
Banks, R. E. See Ford, W. L.....	158
Beatty, Patricia M. See Knop, Osvald.....	156
Beckett, N. R. The Flow of Nutrients through the Thermocline in a Lake.....	387
Bell, Hugh P. and Bailly, Jane W. Determinate Growth in the Blueberry.....	108
Betts, D. D. and MacDonald, A. D. Electrical Break-down of Neon at High Frequencies.....	155
Bishop, C. J., Woodworth, A. D. and McGowan, L. J. Differential Sensitivity of the Mitotic Prophase in Tradescantia to X-Radiation. I. Pollen Grains. II. Pollen Tubes.....	112

Blanchard, J. E. and Carter, A. L. An Application of Potential Theory to a Problem in Geophysical Explorations.....	384
Bleakney, John Sherman. The Distribution and Taxonomic Relationships of the Amphibians and Reptiles of Nova Scotia.....	158
Bowes, W. H. An Instrument for the Solution of Simultaneous Equations.....	383
Bridgeford, Hope. A Cytological Study of the Germ Cells in <i>Deroceras Reticulatum</i> , Muller.....	114
Caines, C. W. See Masson, C. R.....	420
Cameron, E. Lee. Some Recent Mineral Investigations in Nova Scotia.....	154
Cameron, H. L. The Structural Geology of Nova Scotia as Illustrated by Aerial Photographs.....	388
Cameron, M. L. Behaviour of Cytoplasmic Constituents during Spermatogenesis in <i>Tenebrio</i>	113
Cameron, M. L. Demonstration of the Use of the Jenkin Surface Mud Sampler.....	114
Cameron, M. L. See Hayes, F. R.....	155
Carter, A. L. See Blanchard, J. E.....	384
Carter, A. L. Age Determination of a Submerged Tree Stump by Carbon 14 Analysis.....	423
Castell, C. H. Inhibition by Sodium Nitrite of the Enzymic Reduction of Trimethylamine Oxide.....	154
Christie, G. L. Service Performance of Cast Magnesium Alloy Anodes in the Cathodic Protection of Ships..	160
Civen, M. and McCarter, J. A. Determination of the Carbon of Aqueous Solutions.....	382
Civen, M. Measurement of Carbon 14 in Biological Material.....	386
Collins, E. H. and Smith, E. C. A study of the Boreal Forest Formation in Nova Scotia.....	112
Cumming, G. R. See Perry, W. F.....	385
Dexter, Reid V. Some Local Temperature Variations in Halifax.....	418
Dyer, W. J. Trimethylamine Oxide in Fish.....	109
Erskine, J. S. The Ecology of Sable Island.....	120
Ferguson, D. C. The Lepidoptera of Nova Scotia.....	161
Ford, W. L. The 1950 Six-ship Survey of the Gulf Stream.....	110

Ford, W. L., Longard, J. R. and Banks, R. E. On the Nature, Occurrence and the Origin of Cold Low Salinity Water along the Edge of the Gulf Stream....	158
Fraser, M. J. See Kaplan, J. Gordin.....	91
Fraser, M. J. and Kaplan, J. G. Ultra-violet Irradiation of Ovalbumin Monolayers.....	382
Fraser, M. J. and Kaplan, J. G. The Effect of Ultra-violet Radiations on Dilute Solutions of Ovalbumin.	387
Fraser, M. J. A Kinetic and Thermodynamic Study of Intracellular Yeast Catalase.....	422
Fraser, M. J. See Kaplan, J. G.....	421
Gordon, P. C. See Weld, C. B.....	110
Goring, D. A. I. Molecular Size and Shape of Carageenin.....	386
Goring, D. A. I. The Gel Strength and Optical Activity of Carageenin.....	422
Graham, G. M. Velocity of Sound.....	386
Green, R. E. and Stewart, A. T. Positron Annihilation in Metals.....	423
Guptil, E. W., Archibald, W. J. and Warren, E. S. Precision Determination of Nuclear Gyromagnetic Ratios.....	113
Harrison, K. A. The Fleishy Fungi of Kings County....	387
Hawkins, W. W. See Perry, W. F.....	385
Hawkins, W. W., Speck, E. and Leonard, Verna G. The Variation of Haemoglobin Level with Age and Sex..	420
Hayes, F. R. and Cameron, M. L. Exchange of Phosphorus between Water and Mud in Lakes.....	155
Hayes, F. R. Factors Responsible for Ascent of Salmon in the La Have River.....	160
Hayes, F. R. Notes towards the Estimation of Mortality, Total Population and Use of Atlantic Salmon.....	383
Heaps, H. S. The Infra-red Spectrum of the Night Sky.	385
Heaps, H. S. Diffraction of an Acoustical Wave Obliquely Incident on a Plane Obstacle.....	421
Henderson, N. E. See Pelluet, D.....	420
Herman, F. A. Fertility in Relation to Precipitation....	388
Holland, J. D. An Objective Method of Forecasting Maximum Temperatures over Snow-covered Terrains.....	385

Jamieson, W. D. The Effect of the Isothermic Transition on Bromine 80 on the Reactivity of Bromine with Tetrachlorides of the Group IV. Elements.....	113
Jones, Hazel. See Weld, C. B.....	154
Judd, W. W. The White-veined Dagger, <i>Simyra henrici</i> Grt. (Lepidoptera: Phalaenidae), and its Parasites Reared from Cat-tail.....	115
Kaplan, J. Gordin and Fraser, M. J. The Analysis of Force-Area Curves of Proteins.....	91
Kaplan, J. Gordin. Fibrous Protein in Amphibian Morphogenesis.....	158
Kaplan, J. Gordin. See Fraser, M. J.....	382
Kaplan, J. Gordin. The Transformation of an Enzyme..	384
Kaplan, J. Gordin. See Fraser, M. J.....	387
Kaplan, J. Gordin and Fraser, M. J. Expansion of Monomolecular Films of Protein.....	421
Knop, Osvald and Beatty, Patricia M. X-Ray Diffraction Studies on the Lycopodium Alkaloids.....	156
Laughton, P. M. A General Method for the Determination of Mobility Distributions of Proteins.....	108
Leim, A. H. Location of Herring by Sonic Sounder.....	157
Leonard, Verna G. See Hawkins, W. W.....	420
Levine, J. D. See Aldous, J. G.....	383
Lewin, Joyce. Evidence for the Role of Reduced Sulphur Compounds in Silicon Utilization by Diatoms.....	419
Lewin, Ralph A. Dikaryons in <i>Chlamydomonas moewusii</i>	418
Livingstone, D. A. The Fresh-water Fishes of Nova Scotia	1
Longard, J. R. See Banks, R. E.....	109
Longard, J. R. See Ford, W. L.....	158
Lutwick, G. S. and Ryan, D. E. Organo-Analytical Reagents—Aromatic Hydrocarbons.....	422
MacDonald, A. D. See Betts, D. D.....	155
MacLean, David B. and Prime, H. C. Chemical Studies on the Structure of Lycopodium Alkaloids.....	156
MacMillan, F. K. and McCarter, J. A. Synthesis of Benzene labelled with Carbon 14.....	111
MacMillan, Gordon K. A Preliminary Survey of the Freshwater Gastropoda of Cape Breton, Nova Scotia	389
MacNeil, R. H. and Purdy, C. A. A Local Glacier in the Annapolis-Cornwallis Valley.....	111

MacPherson, L. B. Purification of Lecithin.....	413
McCallion, D. J. and Aitken, H. E. A Cytological Study of the Oral Glands of the Fowl, <i>Gallus Domesticus</i> ..	112
McCallion, D. J. Tumours in the Amphiba.....	388
McCarter, J. A. A Conversion of Radioactive Carbon 14	108
McCarter, J. A. See MacMillan, F. K.....	111
McCarter, J. A. See Civen, M.....	382
McGowan, L. J. See Bishop, C. J.....	112
McLellan, H. J. The Effect of Freezing on the Sulphate- Chlorinity Ratio of Sea Water.....	160
Masson, C. R. and Caines, C. W. Viscosity and Molec- ular Weight of Degraded Carageenin.....	420
Matheson, B. H. See Reed, R. W.....	419
Munn, R. E. and Snow, D. G. An Objective Aid for Forecasting Zero and Subzero Temperatures for Halifax, N. S.....	382
Murray, I. M. Assessment of Physiological Age by Com- bination of Several Criteria—Vision, Hearing, Blood Pressure and Muscle Force.....	108
Newsham, L. G. S. Influence of Geometry on Geiger Counter Characteristics.....	110
Pelluet, D. and Tait, J. S. Mineral Constituents of some Land Gastropods.....	160
Pelluet, D. and Henderson, N. E. Effects of Visible Radiation on the ovotestes of the Slug <i>Deroceras</i> <i>Reticulatum</i>	420
Perry, W. F., Hawkins, W. W. and Cumming, G. R. Adrenal Function in Pantothenic Acid Deficiency..	385
Prime, H. C. See MacLean, David B.....	156
Purdy, C. A. See MacNeil, R. H.....	111
Reed, R. W. Slide Culture of Tubercle Bacilli.....	422
Reed, R. W. and Matheson, B. H. Experimental Neph- ritis due to Type Specific Streptococci.....	419
Reed, R. W. An Epidemic of Acute Nephritis.....	418
Retallack, J. G. Fundamental Particles in the Cosmic Radiation.....	421
Roitman, Ellen. Effect of Pancreatic Extracts on Ke- tone-Body Metabolism of Rat Liver Slices.....	387
Ryan, D. E. See Lutwick, G. S.....	422
Snow, D. G. See Munn, R. E.....	382

Smith, D. G. and Young, E. Gordon. On the Nitrogenous Constituents of Fucus.....	384
Smith, E. C. See Collins, E. H.....	112
Speck, E. See Hawkins, W. W.....	420
Spitzer, John. See Weld, C. B.....	154
Spitzer, John. Changes in the Electrophoretic Patterns of Plazma Proteins in Hepatectomized Frogs.....	157
Spitzer, John. The Heparin-produced Lipemia Clearing Factor.....	160
Stewart, A. T. See Green, R. E.....	423
Stewart, C. B. The Interpretation of the Tuberculin Test.....	417
Stewart, K. D. See Aldous, J. G.....	114
Stewart, K. D. See Aldous, J. G.....	155
Stewart, L. See Stewart, R. B.....	109
Stewart, R. D. and Stewart, L. The Lymphocytopenic Effect of Type II. Pneumococcus.....	109
Szerb, J. C. The Response of Circulating Eosinophil Cells to Morphine and Related Substances.....	382
Tait, J. S. See Pelluet, D.....	160
Vandenheuvel, F. A. The Unsaturation Value versus Refractivity Relationship of Unsaturated Fatty Acids and its Implication.....	154
Warren, E. S. See Guptil, E. W.....	113
Weld, C. B. and Baker, J. R. Anaphlaxis and Acetylsalicylic Acid.....	107
Weld, C. B. and Gordon, P. C. Centrifugation and Chemical Fractionation of the Lipids of Lipemia..	110
Weld, C. B., Spitzer, John, and Jones, Hazel. Hemolysis by Heparin in Lipemic Animals.....	154
Weld, C. B. The Relation of Protein to the Chylomicron	417
Wenning, A. S. See Aldous, J. G.....	383
West, D. C. The Allotropic Forms of Solid Iodine.....	383
Woodworth, A. D. See Bishop, C. J.....	112
Young, E. Gordon. See Allen, Thelma.....	156
Young, E. Gordon. See Smith, D. G.....	384
Young, E. Gordon. An Appraisal of Canadian Nutriture	419