

INDEX

VOLUME 24

1954-1958

In this volume the pages are not numbered consecutively throughout. Issues number 1 and 2 both begin at page 1. Therefore, references to pages 1 - 48 may be to either issue.

Ackman, R. G. A Simple Gas Chromatography Apparatus and its Application to Analysis of the Higher Fatty Acids.....	414
Aldous, J. G. and G. C. Jollymore. The Influence of pH on the Intracellular Concentration of Citrate in Yeast.....	414
Aldous, J. G. and Geo. C. Jollymore. The Reciprocal Action of H ⁺ and K ⁺ on the Metabolism of the Living Yeast Cell.....	333
Aldous, J. G. and K. R. Rozee. Evidence for pH Regulation of Glucose Metabolism in Yeast Cells.....	265
Anthony, E. H. The Relation of Respiratory Tolerance to the Presence of Haemoglobin in Goldfish Blood.....	416
Archibald, K. D. Forest Aphidae of Nova Scotia. Pt. 2.....	1
Archibald, W. J. A Simple Derivation of the Meson Field Equations.....	53
Archibald, W. J. The Photoelectric Effect With Incident Gamma Rays.....	266
Astrup, H. N. See Young, E. Gordon.....	335
Auerback, Charlotte. The Present State of Chemical Mutation Research.....	411
Banoroff, M. F. Occurrences of Uranium.....	55
Banks, R. E. Circulation on the Scotian Shelf Determined by Drift Bottles.....	335
Banks, R. E. Physical Oceanography of the Coastal Waters off Halifax.....	413
Baxter, Beverley. See Yaphe, W.....	50
Bell, Hugh P. The Development of the Blueberry Seed.....	334
Bell, Hugh P. and Jane Burchill. Winter Resting Stages of Certain Ericaceae.....	264
Bell, Hugh P. and Jane Burchill. Flower Development of the Low Bush Blueberry.....	51
Bell, L. G. E. Observations on the Development of <i>Ciona intestinalis</i>	410
Bentley, P. A. and E. C. Smith. The Forests of Cape Breton in the 17th and 18th Centuries. Pt. 1.....	1
Bentley, P. A. and E. C. Smith. A Study of Northern White Cedar and Jack Pine in Nova Scotia.....	376
Berger, A. R. A Recent Volcanic Ash Deposit in the Yukon Territory.....	410
Bidwell, R. G. S. Photosynthesis in Marine Algae.....	414
Bishop, C. J. Radiation-induced Morphological and Genetic Changes in Apples.....	336
Bishop, R. F. Soil Analysis, Its Values and Limitations.....	56
Bligh, E. G. The In Vitro Conversion of C ¹⁴ -acetate and C ¹⁴ -Cholesterol to Adrenocortical Steroids.....	415
Bousefield, E. L. Malacostracan Crustaceans from the Shores of Nova Scotia.....	25
Bousefield, E. L. Littoral Marine Arthropods and Mollusks Collected in Western Nova Scotia, 1956.....	303
Brewer, D. A Study of the Parasitism of <i>Ascochyta pisi</i> Lib.....	266
Brockhouse, B. N. See Stewart, A. T.....	410
Brown, R. F. See Schofield, D.....	332

Burchill, Jane. <i>See</i> Bell, H. P.	51, 264
Campbell, J. E. Stresses in an Elastic Foundation Under a Loaded Plate.	52
Cameron, H. L. Applications of Aerial Photograph Interpretation to Historic Sites Research in Nova Scotia.	54
Cameron, H. L. New Field Techniques in Petroleum and Mineral Exploration.	416
Cameron, H. L. Photointerpretation Projects of The Nova Scotia Research Foundation.	269
Chute, W. J. Presidential Address.	39
Coffin, C. C. <i>See</i> Hayes, F. R.	41
Coles, Carol M. <i>See</i> Hawkins, W. W.	335
Cunningham, R. L. Nuclear Metallurgy.	334
Cutcliffe, J. L. and H. S. Heaps. Buckling of a Reinforced Panel.	332
Dexter, R. V. The Sea Breeze Hodograph at Halifax.	333
Dicks, Carol M. <i>See</i> W. W. Hawkins.	411
Dingle, J. R. On the Extraction of Myosin from Cod Muscle with Potassium Iodide Solutions.	413
Dingle, J. R. and J. M. Neelin. Fractionation of Cod Muscle Albumins by Precipitation With Zinc Ion. L. Adenosine-triphosphate-Creatine Transphosphorylase.	51
Dondale, C. D. Observations on Orchard Spiders of the Annapolis Valley.	269
Douglas, G. Vibert. The Geological Structure and Growth of the Caribbean Area.	297
Dunford, H. B. and H. G. Thode. Equilibrium Constants for the $S^{34}O_2 - H_2S^{34}O_4$ Exchange Reaction.	266
Dyer, W. J., Fraser, D. I. and E. G. Bligh. Formation of Free Fatty Acids in Frozen Fish.	410
Eaves, C. A. Nutritional Survey of McIntosh Apple Orchards in Relation to Storage Quality.	268
Erskine, J. S. A Study of the Tusket Islands.	271
Erskine, J. S. Shell-heap Archaeology of Southwestern Nova Scotia.	339
Fraser, M. J. <i>See</i> Kaplan, J. Gordin.	54
Goring, D. A. I. <i>See</i> Masson, C. R.	50
Goring, D. A. I. <i>See</i> Vincent, D. L.	53
Greenblatt, J. H. The Mechanism of the Anodic Dissolution of Magnesium.	265
Greenidge, K. N. H. Aspects of Moisture Movement in Trees.	266
Guptill, E. W. <i>See</i> Keyston, J. R.	337
Hall, Ivan V. Effects of Shade on Blueberry Growth.	55
Hansen, Erik. Possible Importance of Some Terpenes as Starting Materials for the Synthesis of Certain Physiologically-active Compounds.	337
Harricharan, C. E. <i>See</i> Kaplan, G. Gordin.	54
Hawkins, W. W., Verna G. Leonard and Eirlys Speck. The Total Body Haemoglobin in Children and Its Relation to Iron Requirements.	264
Hawkins, W. W., Verna G. Leonard and Carol M. Cole. The Production of Xanthurenic Acid from Tryptophan in Pregnancy and in Various States of Nitrogen Balance.	335
Hawkins, W. W., Verna G. Leonard, and Carol M. Dicks. Protein and Carbohydrate Metabolism in Vitamin B ⁶ Deficiency.	411

Hawkins, W. W. and E. Gordon Young. The Plasma Proteins of the Dog in Vitamin B ₆ Deficiency	48
Hawkins, W. W. See O'Neill, A. N.	332
Hayes, F. R. Microorganisms in the Sediments of Lakes	267
Hayes, F. R. and D. A. Livingstone. The Trout Population of a Nova Scotia Lake as Affected by Habitable Water, Poisoning of the Shallows and Stocking	52
Heaps, H. S. Random Walk and Satellite Motion	264
Heaps, H. S. See Cutcliffe, J. L.	332
Heaps, H. S. See McKay	414
Hockey, J. F. Flat-limb Canker of the Gravenstein	268
Ives, D. A. J. The Formal Total Synthesis of Lanosterol and Agnosterol	332
Jamieson, W. D. Vapour-liquid Chromatography of Carbonyl Compounds	51
Jollymore, George C. See Aldous, J. G.	333, 414
Kaplan, J. Gordin. The Action of Homologous Series of Aliphatic Compounds on the Intracellular Catalase of Yeast	48
Kaplan, J. Gordin, M. J. Fraser, and C. E. Harricharan. Model Interfacial Systems in the Study of Intracellular Catalase	54
Kaplan, J. Gordin. The Control of Enzyme Synthesis and Enzyme Activity in Living Cells	267
Keyston, J. R., E. W. Guptill and J. D. MacPherson. Determination of the Coefficient of Linear Expansion at Low Temperatures Using Microwaves	337
Langille, W. M. See Young, E. G.	412
Langis, J. The Addition of Correlated Noises	265
Leonard, Verna G. See Hawkins, W. W.	264, 335, 411
Livingstone, D. A. On the Ecological Significance of Frozen Ground	48
Livingstone, D. A. A Pollen Chronology for the Central Brooks Range, Alaska	50
Livingstone, D. A. See Hayes, F. R.	52
Lockhart, C. L. Studies Concerning the Effects of Culture Filtrates of <i>Fusarium lycopersici</i> on the Tomato	337
McCallion, David J. Report of the Hubrecht Laboratories	54
McCarter, J. A. The Metabolisms of 2, 2'-Dihydroxydiethyl Sulphide and of 2,2'-Dichlorodiethyl Sulphide in the Rat	49
McCarter, J. A. The Control of Certain Factors of Dosage in Epidermal Carcinogenesis	264
McCarter, J. A. Fluorescence Spectrometer for Beckman DU	333
McKay, D. C. Soil Maps	55
McKay, M. R. and H. S. Heaps. The Separation of Signals from Noise by Means of a Linear Filter	414
MacLellan, C. E. The Role of Woodpeckers in the Natural Control of the Codling Moth	337
McLennan, Hugh. Sodium Flux in Mammalian Muscle	334
MacLeod, D. P. and J. C. Szerb. The Determination of Morphine in Blood and Tissues	52
MacNeill, R. H. Some Findings of a Geological Nature on the Islands of Mahone Bay	268
MacNeill, R. H. Glacioluvial Deposits of the Sporting Lake-Stream Area	269
MacNeill, R. H. Interim Report of Investigations in Nova Scotian Glacial Geology	338

MacPherson, J. D. <i>See</i> Keyston, J. R.	337
McQuarrie, I. G. and K. von Maltzahn. Correlations Affection Regeneration and Reactivation in <i>Solachnum Ampullaceum</i> (L) HEDW.	411
Magarvey, R. H. The Deformation and Break-up of Large Water Drops	267
Magarvey, R. H. Physical Properties of Water Drops	268
Martin, N. D. An Analysis of the Forest Succession in Algonquin Provincial Park, Ontario	338
Masson, C. R. and D. A. I. Goring. Variation of Viscosity with Rate of Shear for a Polyelectrolyte of High Molecular Weight.	50
Mazur, S. J. Design for a Shear Deformator	49
Melanson, Bernadine M. The Reaction of Active Nitrogen with Hydrogen Bromide	336
Mohammed, A. Pulse Shapes Produced by Underwater Acoustic Projectors	413
Neelin, J. M. <i>See</i> Dingle, J. R.	51
O'Neill, A. N. 3,6-Anhydro-D-Galactose as a Constituent of Carrageenin	51
O'Neill, A. N. and W. W. Hawkins. Sulphated Derivatives of Laminarin	332
Ord, M. J. The Use of Nuclear Transfer Techniques in Radiation Studies	410
Phillips, John. Aspects of P ³² Metabolisms in Lakes	336
Pickett, A. D. Some Ideas, Partially Unorthodox, Regarding Insects	55
Piggott, C. L. The Stark Effect in Silver	50
Robinson, D. K. The Velocity of Sound in Solid Argon	265
Rozee, K. R. and J. G. Aldous. The Influence of pH upon the Toxicity of Fluoroacetic Acid	48
Rozee, K. R. <i>See</i> Aldous, J. G.	265
Schofield, D. and R. F. Brown. An Improved Ceramic for the Generation of Ultrasonics	332
Selman, Gordon R. Equivalent Electric Circuits for Electro- magnetic Machines	49
Smith, Donald G. and E. Gordon Young. The Combined Amino Acids in Several Species of Marine Algae	53
Smith, Donald G. <i>See</i> Young, E. Gordon	266
Smith, H. D. Presidential Address	255
Smith, H. D. Presidential Address	326
Speck, Eirlys. <i>See</i> Hawkins, W. W.	264
Stewart, A. T. and B. N. Brockhouse. Vibration Spectrum of Vanadium by Newton Spectrometry	410
Szerb, J. C. Comparative Study of the Distribution of Morphine and Levorphan	333
Szerb, J. C. <i>See</i> MacLeod, D. P.	52
Thode, H. G. <i>See</i> Dunford, H. B.	266
Tillotson, J. G. Accelerometer Problems	338
Vincent, D. L., D. A. I. Goring and E. Gordon Young. A Com- parison of the Properties of Various Preparations of Sodium Alginate	53
Vincent, D. L. A Study of the Deposition on Copper from Col- loidal Suspensions of Fractions Derived from Sulphite Pitch	267
von Maltzahn, K. <i>See</i> McQuarrie, I. G.	411

Weaver, G. M. Cytological Development During Microsporogenesis as Anindex of Heat Accumulation.....	269
Webster, D. H. Notes on the Distribution of <i>Potamogeton</i> Species and Hybrids in Nova Scotia.....	16
Weld, C. B. The Electrophoretic Pattern of Lipemic Serum.....	266
Weld, C. B. The Enterolipomicron.....	415
Woods, A. D. B. Velocity of Sound in Acetic Acid.....	53
Yaphe, W. Effect of Agar on the Growth of Bacteria.....	413
Yaphe, W. Studies on the Structural Polysaccharides of the Rhodophyceae, Agar and Kappa-carrageenin.....	267
Yaphe, W. and Beverley Baxter. Enzymic Identification of Agar and Carrageenin in Marine Algae.....	50
Young, E. Gordon and H. N. Astrup. Some Physical and Chemical Properties of Ishthyocal.....	335
Young, E. Gordon and W. M. Langille. The Chemical Composition of Seawater in the Vicinity of the Atlantic Provinces of Canada.....	412
Young, E. Gordon and Donald G. Smith. The Amino Acids in the Ichthulokeratin of Salmon Eggs.....	266
Young, E. Gordon. <i>See</i> Hawkins, W. W.....	48
Young, E. Gordon. <i>See</i> Smith, Donald G.....	53
Young, E. Gordon. <i>See</i> Vincent, D. L.....	53

VALLEY EXTRACTS

Erskine, J. S. The Partial Excavation of Nine Prehistoric Camp-Sites in the Southwestern Part of Nova Scotia.....	417
Fox, C. J. S. The Influence of Insects on the Floristic Composition of Grassland.....	416
Herbert, June. Color of Predacious Mites After Feeding on Mite Prey in the Laboratory.....	417
McGowan, Joan. Survey of Wild Strawberries of Nova Scotia for Virus Infection.....	417
Stultz, H. T. Variations in Population Density of the Acadian Field Mouse in Annapolis Valley Apple Orchards.....	417
Microfilm Service.....	417