

## INDEX.

299

## Vol. XVIII

Algae, Marine, in Vicinity of Halifax. C. MacFarlane and H. P. Bell.	134
Allen, C. R. K. Physical Changes during the Early Development of the Salmon.....	34
Anthraquinone Pergatives in the Cat. F. C. MacIntosh .....	53
<i>Ascophyllum Nodosum</i> , Annual Growth of. C. MacFarlane.....	27
Aurora. A. G. Hatcher.....	75
Beazley, W. B., and Harold S. King. Side-Chain Chlorination of Toluene.....	204
Bell, Adam C., and Harold S. King. The Detection of Methanol in the Presence of Ethyl Alcohol.....	11
Bell, Hugh P., and Constance MacFarlane. Observations of the Seasonal Changes in the Marine Algae in the Vicinity of Halifax with Particular Reference to Winter Conditions.....	134
Belyea, Helen R., and A. Winifred Scott. Conditions of Sedimentation of the Halifax Formation as Observed in Point Pleasant Park.....	223
Butylidene Diacetate, Rate of Formation. C. C. Coffin and P. A. Miller.....	1
<i>Carcharodon Carcharias</i> (Linn.). H. Piers.....	192
Cat, Action of Anthraquinone Pergatives in the. F. C. MacIntosh.....	53
Cat, Action of Mercury Salts on the Intestine of. N. B. Dreyer.....	129
Cat, Effect of Barbituric Acid on Intestine of. N. B. Dreyer and C. O. Hebb .....	282
Chaisson, A. F. The Effect of Destruction of the Spinal Cord on Osmotic Control in Elasmobranchs.....	23
Chaisson, A. F., and M. H. F. Friedman. The Effect of Histamine, Adrenaline and Destruction of the Spinal Cord on the Osmotic Pressure of the Blood in the Skate.....	240
Chlorination of Toluene. H. S. King and W. B. Beazley .....	204
Coffin, C. C. A Mercury-in-Glass Thermoregulator.....	213
Coffin, C. C., and Pauline A. Miller. Studies on Anhydride-Aldehyde-Ester Systems: The Rate of Formation of Butylidene Diacetate	1
Distillation, Fractional. H. S. King.....	272
Dreyer, N. B. The Action of Some Mercury Salts on the Intestine of the Cat .....	129
Dreyer, N. B., and Catherine Olding Hebb. The Effect of Some Barbituric Acid Derivatives on the Intestine of the Cat .....	282
Friedman, M. H. F., and A. F. Chaisson. The Effect of Histamine, Adrenaline and Destruction of the Spinal Cord on the Osmotic Pressure of the Blood in the Skate .....	240
Gold, Solubility in Ferric Sulphate. R. L. Milner.....	267
Grand Lake, Water Temperatures in. A. H. Leim.....	259

Hatcher, A. G. Note on a Rare Phenomenon in the Night Sky.....	75		
Hebb, Catherine Olding, and N. B. Dreyer. The Effect of Some Barbituric Acid Derivatives on the Intestine of the Cat.....	282		
Howse, Claude K. Report on the Geology of the Purcell's Cove Area, Halifax Co., Nova Scotia.....	177		
King, Harold S. Fractional Distillation: Analysis of Organic Liquids	272		
King, Harold S., and W. B. Beazley. Side-Chain Chlorination of Toluene.....	204		
King, Harold S., and Adam C. Bell. The Detection of Methanol in the Presence of Ethyl Alcohol.....	11		
King, Harold S., and Mary K. Merriam. Preparation of m-Xylyl Chloride.....	276		
<b>Lectures:</b>			
The Circulation of the Wind in a Cycloonic Area in the Northern Hemisphere. W. F. Mitchell.....	21		
The Life of the Salmon. F. R. Hayes.....	71		
The Cambridge Eclipse Expedition at Magog, Que.....	221		
Leim, A. H. Water Temperatures in Grand Lake, N. S.....	259		
MacFarlane, Constance. Observations on the Annual Growth of <i>Ascophyllum Nodosum</i> .....	27		
MacFarlane, Constance, and Hugh P. Bell. Observations of the Seasonal Changes in the Marine Algae in the Vicinity of Halifax with Particular Reference to Winter Conditions.....	134		
MacIntosh, F. C. Mode of Action of the Anthraquinone Pergatives in the Cat.....	53		
MacIntosh, F. C., and R. A. Moreash. Responses of the Bladder and Seminal Vesicle in the Rat.....	50		
Mainland, Donald. A Quantitative Study of Epithelial Nuclei of the Body of the Uterus in Carcinoma and in Non-Malignant Hyperplasia.....	77		
Mercury Salts, Action on the Intestine of the Cat. N. B. Dreyer.....	129		
Merriam, Mary K., and Harold S. King. Preparation of m-Xylyl Chloride.....	276		
Methanol, Detection of. H. S. King and A. C. Bell.....	11		
Miller, Pauline A., and C. C. Coffin. Studies on Anhydride-Aldehyde Ester Systems: The Rate of Formation of Butylidene Diacetate..	1		
Milner, R. L. The Solubility of Gold in Ferric Sulphate and its Geological Applications.....	267		
Moreash, R. A., and F. C. MacIntosh. Responses of the Bladder and Seminal Vesicle in the Rat.....	50		
Odonata of Maritime Provinces. E. M. Walker.....	106		
<b>Officers, Elected for</b>			
1930-31.....	18	1932-33.....	218
1931-32.....	70	1933-34.....	290

Piers, Harry. Accidental Occurrence of the Man-Eater or Great White Shark, <i>Carcharodon Carcharias</i> (Linn.), in Nova Scotian Waters . . . . .	192		
Plaster of Paris, Initial and Final Sets. S. G. Ritchie . . . . .	263		
Point Pleasant Park, Sedimentation at. H. R. Belyea and A. W. Scott	226		
Presidential Addresses:			
1930. Dr. D. McIntosh . . . . .	14		
1931. Dr. E. G. Young . . . . .	68		
1932. Dr. E. G. Young . . . . .	215		
1933. Dr. A. H. Leim . . . . .	286		
Proceedings of Meetings:			
1930-31 . . . . .	17	1932-33 . . . . .	218
1931-32 . . . . .	70	1933-34 . . . . .	289
Purcell's Cove, N. S., Geology of. C. K. Howse . . . . .	177		
Rat, Responses of the Bladder and Seminal Vesicle in the. F. C. MacIntosh and R. A. Moreash . . . . .	50		
Reports of Librarian, Harry Piers.			
1930 . . . . .	17	1932 . . . . .	218
1931 . . . . .	70	1933 . . . . .	289
Reports of Treasurer, Donald J. Matheson			
1930 . . . . .	17	1932 . . . . .	218
1931 . . . . .	70	1933 . . . . .	289
Ritchie, S. G. Determination of the Initial and Final Sets of Plaster of Paris . . . . .	263		
Ross, Donald M. Monstrosities in Salmon Embryos . . . . .	245		
Salmon, Early Development of. C. R. K. Allen . . . . .	34		
Salmon, Monstrosities in Embryos. D. M. Ross . . . . .	245		
Scott, A. Winifred, and Helen R. Belyea. Conditions of Sedimentation of the Halifax Formation as Observed in Point Pleasant Park . . . . .	226		
Sedimentation at Point Pleasant Park. H. R. Belyea and A. W. Scott	226		
Skate, Osmotic Control in. A. F. Chaisson . . . . .	23		
Skate, Osmotic Pressure in Blood of. A. F. Chaisson and M. H. F. Friedman . . . . .	240		
Thermoregulator. C. C. Coffin . . . . .	213		
Toluene, Side-Chain Chlorination of. H. S. King and W. B. Beazley . . . . .	204		
Uterus, Epithelial Nuclei of, in Carcinoma and Non-Malignant Hyperplasia. D. Mainland . . . . .	77		
Walker, E. M. The Odonata of the Maritime Provinces . . . . .	106		
m-Xylyl Chloride, Preparation of. H. S. King and M. K. Merriam . . . . .	276		
Abstracts. (Papers read before the Institute but not published in the Proceedings).			
Bateson, S. Pleochroic Haloes in Biotite . . . . .	73		
Beatty, S. A. The Soluble Proteins of Fish Muscle in Relation to Muscular Movement and to Rigor Mortis . . . . .	52		

Beatty, S. A., and A. H. Leim. High Acidity of Quarry Water . . . . .	20
Bell, H. P. The Algal Flora of Hudson Bay . . . . .	26
Bronson, H. L. On the Specific Heats of Tungsten, Molybdenum and Copper . . . . .	222
Butler, M. R., and E. G. Young. The Polysaccharide of <i>Chondrus Crispus</i> . . . . .	21
Coffin, C. C. Some New Physico-Chemical Apparatus . . . . .	21
Cooper, D. LeB., and R. H. Squires. Recovery of Salt from Fish Brines . . . . .	223
Crandall, W. A. The Relation of Arginine and Histidine to the Synthesis of Purines in the Dog . . . . .	294
Douglas, G. V., and C. K. Howse. Note on the Location of Ore-Shoots in Mineral Deposits . . . . .	293
Dreyer, N. B. The Response of Involuntary Muscle to Pituitrin, Morphine and Quinine . . . . .	16
Some Effects of Opium Alkaloids on the Intestines of Different Animals . . . . .	20
Some Actions of Mercury Salts on the Intestine . . . . .	20
Dreyer, N. B., and D. Webster. Effects of Arterial and Venous Occlusion on the Intestine . . . . .	293
Dreyer, N. B., and E. G. Young. On the Excretion of Uric Acid and Urates by the Bird . . . . .	220
Fraser, H. R. and H. S. King. The Preparation of Hydrazine Sulphate . . . . .	21
Geddes, A. L. The Decomposition of Complex Molecules at High Pressures . . . . .	293
Gibbons, N. E. Lactose-Forming Bacteria from the Intestinal Contents of Marine Fishes . . . . .	222
Gillies, N. B. Description of a Lunar Phenomenon on the Night of Feb. 25, 1934 . . . . .	293
Graham, H. C., and E. G. Young. Further Observations of the Influence of Electrolytes on the Formation and Decomposition of Urate Gels . . . . .	67
Grant, G. A., and E. G. Young. An Analysis of Fox Milk . . . . .	20
Hayes, F. R. Nitrogen in Echinoid Ontogeny . . . . .	221
The Metabolism of Developing <i>Cyclopterus Lumpus</i> Eggs . . . . .	292
Henderson, G. H. A New Method of Determining the Age of Minerals . . . . .	292
Henderson, G. H., and J. L. Nickerson. The Range of the Alpha Particles from Thorium . . . . .	20
Hess, E. Bacterial and Chemical Changes in Canned Lobster . . . . .	73
Cultural Characteristics of Marine Bacteria in Relation to Low Temperatures . . . . .	292
Horwood, J. F., and H. S. King. An Organo-Mercury Compound Formed in Pinacol Reduction . . . . .	72

## INDEX.

303

Howse, C. K., and G. V. Douglas. Note on the Location of Ore-Shoots in Mineral Deposits.....	293
Johnston, S. A Microscopical Study of Polished Surfaces of Explosive Antimony.....	293
Johnston, W. W. Hardened Plastics from Fish Muscle.....	222
Johnstone, J. H. L., and J. R. Longard. An Improved Bridge for the Measurement of Small Capacities and Some Preliminary Measurements of the Variation of Dielectric Constant of Rutile with Temperature.....	294
Jones, E. R. Intranuclear Deutoplasm in the Turbellarian <i>Prohryynchus Applanatus</i> . Rennels.....	20
King, H. S., and H. R. Fraser. The Preparation of Hydrazine Sulphate	21
King, H. S., and J. F. Horwood. An Organo-Mercury Compound Formed in Pinacol Reduction.....	72
Leim, A. H., and S. A. Beatty. High Acidity of Quarry Water.....	20
Longard, J. R., and J. H. L. Johnstone. An Improved Bridge for the Measurement of small Capacities and Some Preliminary Measurements of the Variation of Dielectric Constant of Rutile with Temperature.....	294
Mainland, D. Quantitative Methods in the Study of Early Mammalian Development.....	52
Musgrave, F. F., and E. G. Young. The Influence of Electrolytes on the Gelation of Methyl Amine Urate.....	21
Nickerson, J. L., and G. H. Henderson. The Range of the Alpha Particles from Thorium.....	20
Roscoe, M. V. The Cytology of Certain Cultivated Apples.....	292
Squires, R. H., and D. LeB. Cooper. Recovery of Salt from Fish Brines.....	223
Startup, C. W. The Effect of Insulin on the Metabolism of Heart Muscle.....	293
Webster, D., and N. B. Dreyer. Effects of Arterial and Venous Occlusion on the Intestine.....	293
Young, E. G., and M. R. Butler. The Polysaccharide of <i>Chondrus Crispus</i> .....	21
Young, E. G., and N. B. Dreyer. On the Excretion of Uric Acid and Urates by the Bird.....	220
Young, E. G., and H. C. Graham. Further Observations of the Influence of Electrolytes on the Formation and Decomposition of Urate Gels.....	67
Young, E. G., and G. A. Grant. An Analysis of Fox Milk.....	20
Young, E. G., and F. F. Musgrave. The Influence of Electrolytes on the Gelation of Methyl Amine Urate.....	21