

SIMON FRASER UNIVERSITY

MEMORANDUM

Sept Review
SENATE FACULTY
S 328

Dr. L. Srivastava	From..... Dr. B.L. Funt
Acting/Academic Vice-Pres.	Dean of Science
Subject..... Review Committee	Date..... 28 January, 1970

The results of the elections for the Review Committee for the Faculty of Science were distributed in my memorandum of October 27, 1969; copies of which are enclosed for your information.

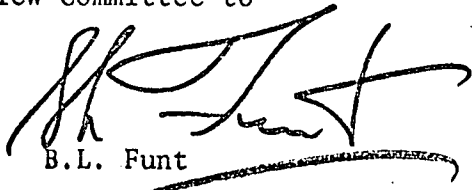
The members chosen by the various departments have familiarity and competence in the subject matter of the departments under review. Evidence of their competence can be determined from their Curriculum Vitae, copies of which are attached for your information.

We are anxious to institute the review procedures as soon as possible within the Faculty of Science. I would strongly request that you bring the composition of this Review Committee to Senate for the meeting of February 2nd.

BLF/ad

Encls.

✓ c.c. H. Evans, Registrar


B.L. Funt



To: All Members of Faculty
Faculty of Science

From: B. L. Funt
Dean

Date: October 27, 1969

The results of the elections for the Review Committees are as follows:

Department of Mathematics

Dr. L. E. Ballentine
Dr. R. M. Sadleir
Dr. J. S. Barlow - Alternate

Department of Physics

Dr. J.S. Barlow
Dr. F. W. B. Einstein
Dr. R. W. Lardner - Alternate

Department of Biology

Dr. A. M. Unrau
Dr. K. Colbow
Dr. B. L. Jones - Alternate

Department of Chemistry

Dr. J. F. Cochran
Dr. J. S. Barlow
Dr. F. J. F. Fisher - Alternate

B. L. Funt

Dept. Review

Curriculum Vitae

BALLENTINE, Leslie Ed.

Assistant Professor - Department of Physics

Degrees:

B. Sc.	Uni. of Alberta	1961
M. Sc.	Uni. of Alberta	1962
Ph. D.	Cambridge Uni. England	1966

Positions Held:

Postdoctoral Fellow	Dec. 1965 - July 1967	Uni. of Alberta
Assistant Professor	Aug. 1967 -	S.F. U.

Publications:

1. L. E. Ballentine, Calculation of the Electronic Structure of Liquid Metals, Can. J. Phys. 44, 2533 (1966).
2. L. E. Ballentine, Remarks on the Calculation of the Resistivity of Liquid Metals, Proc. Phys. Soc. (London) 89, 689 (1966).
3. L. E. Ballentine, Relationship between 'Proton-Proton' and 'Proton-Electron' Dielectric Constants, Phys. Rev. 158, 670 (1967).
4. L. E. Ballentine, Cancellation of the Orthogonality Charge from the Structure Dependent Energy of a Metal, Can. J. Phys. 46, 2567 (1968).
5. L. E. Ballentine, The Uncertainty Principle and the Statistical Interpretation of Quantum Mechanics, Can. J. Phys. 47, 2417 (1969).

Capt. Review

NAME: John Slaney BARLOW

POSITION: Professor

DEPARTMENT: Biological Sciences

DEGREES:	Bachelor's	Ontario Agricultural College	1942
	Master's	University of Toronto	1948
	Doctorate	University of Toronto	1951

POSITIONS/RESEARCH:

Research Scientist, 1953 - 67, Department of Canada
Agriculture, Belleville, Ontario

Professor, 1967 to present, Department of Biological
Sciences, Simon Fraser University.

PUBLICATIONS:

- Barlow, J.S. 1965. Composition of the fats in pupae of Agria affinis (Fallén) (Diptera: Sarcophagidae). Can. J. Zool. 43: 291-295.
- Barlow, J.S. 1965. Effects of diet on the composition of body fats in Agria affinis (Fallén). Can. J. Zool. 43: 337-340.
- House, J.L., and J.S. Barlow. 1965. The effects of a new salt mixture developed for Agria affinis (Fallén) (Diptera: Sarcophagidae) on the growth rate, body weight and protein content of the larvae. J. ins. Physiol. 11: 915-918.
- Barlow, J.S. 1966. Effects of diet on the composition of body fat in Musca domestica L. Can. J. Zool. 44: 775-779.
- Barlow, J.S. 1966. Effects of diet on the composition of body fat in Lucilia sericata (Meigen). Nature 212: 148.
- Barlow, J.S. 1966. Electrolytes in tissues, red cells, and plasma of the polar bear and caribou. Can. J. Zool. 44: 235-240. (With J.F. Manery and J.M. Forbes).
- Bracken, G.K., and J.S. Barlow. 1969. Fatty acid composition of Exeristes comstockii (Cress) reared on different hosts. Can. J. Zool. 45: 57-61.

Dep. Review

Curriculum Vitae

COLBOW, Konrad

Associate Professor - Department of Physics

Degrees:

B. Sc.	McMaster Uni.	1959
M. Sc.	McMaster Uni.	1960
Ph. D.	U.B.C.	1963

Positions Held:

Member Technical Staff	Sept. 1963 - Aug. 1965	Research, Bell Tel. Labs. Murray Hill, New Jersey
Assistant Professor	Aug. 1965 - Sept. 1966	Simon Fraser University
Associate Professor	Sept. 1966	Simon Fraser University

Publications:

1. D. G. Thomas, J. J. Hopfield and Konrad Colbow, Light from Distant Pairs, Proc. of the 7th Intern. Conf. Phys. Semiconductors, Paris 1964, Vol. 4, Symp. on Radiative Recombination (Dunod, Paris 1965) p. 67-80.
2. D. E. Thomas and K. Colbow, Time Resolution of Photoluminescent Spectra by Phase Controlled Chopping, Rev. Scient. Instr. 36, 1853-1856 (1965).
3. K. Colbow, Electrophotoluminescence in Semiconductors, Phys. Rev. 139A, 274-284 (1965).
4. K. Colbow, Free-to-Bound and Bound-to-Bound Transitions in CdS, Phys. Rev. 141, 742-749 (1966).
5. K. Colbow and D. W. Nyberg, The Energy Shift of the Edge Luminescence in CdS with Excitation Intensity, Phys. Letters 25A, 250-251 (1967).
6. D. W. Nyberg and K. Colbow, Photoluminescence Efficiency and Photoconductivity in Cadmium Sulfide, Can. Journal of Physics 45, 2833-2849 (1967).
7. D. W. Nyberg and K. Colbow, Photoluminescence in CdS Associated with Nitrogen Impurities, Can. Journal of Physics 45, 3333-3337 (1967).
8. K. Colbow and D. W. Nyberg, Recombination Kinetics in Cadmium Sulfide, J. Phys. Chem. Solids 29, 509-519 (1968).

1. K. Colbow, A. Jmaeff and K. Yuen, Field Effect and the Role of Excitons in the Photoconductivity of CdS, accepted for publication in Can. Journ. of Physics, Vol. 48.

2. K. Colbow and D. Dunn, Screening of Bound States in Semiconductors, submitted for publication in Can. Journ. of Physics.

Sept Revised

Curriculum Vitae

COCHRAN, John F.

Professor & Acting Head - Department of Physics

Degrees:

B. Sc.	U.B.C.	1950
M. Sc.	U.B.C.	1951
Ph. D.	Uni. of Illinois	1955

Positions Held:

Assistant Professor	1957 - 1965	MI.T., Cambridge, Mass.
Professor	1965 - 1968	S.F.U.
Professor & Actg. Head	1968 -	S.F.U.

Publications:

1. J.E. Neighbor, J.F. Cochran and C.A. Shiffman, The Superconducting Transition in Pure Lead, Proc. IXth Intern. Conf. of Low Temperature Physics, Columbus, Ohio, ed. J. Daunt et al., Plenum Press, N.Y. (1965).
 2. M. Yaqub and J.F. Cochran, The Mean Free Path of Electrons and Magnetomorphie Effects in Small Single Crystals of Gallium. I. Current Flow Along the C-axis, Phys. Rev. 137, 4A, A1182 (1965).
 3. J.F. Cochran and M. Yaqub, The Mean Free Path of Electrons and Magnetomorphie Effects in Small Single Crystals of Gallium. II. Current Flow Along the A- and B-Axis, Phys. Rev. 140, A2174 (1965).
 4. J.F. Cochran and C.A. Shiffman, The Magnetic Field Dependence of the Radio-frequency Skin Depth in Gallium, Phys. Rev. 140, A1678 (1965).
 5. J.F. Cochran, C.A. Shiffman and J.E. Neighbor, Specific Heat Measurements in 1-10°K Range using Continuous Warming Method, Rev. Sci. Inst. 37, 499 (1966).
 6. W.D. Gregory, T.P. Sheahen and J.F. Cochran, Superconducting Transition and Critical Field of Pure Gallium Single Crystals, Phys. Rev. 150, 315 (1966).
 7. J.E. Neighbor, J.F. Cochran and C.A. Shiffman, Specific Heat of Lead in the Range from 2-8°K, Phys. Rev. 155, 384 (1967).
 8. K.R. Lyall and J.F. Cochran, Anomalous Skin Effect in Tin and Indium, Phys. Rev. 159, 517 (1967).
 9. K.R. Lyall and J.F. Cochran, Electromagnetic Excitation of Acoustic Resonances in Metal Plates, Phys. Letts. 29A, 626 (1969).
 10. P.H. Haberland, J.F. Cochran, C.A. Shiffman, Radio Frequency Size Effect Measurements in Gallium, Phys. Rev. 184, 655 (1969).
 11. R. Turner, K.R. Lyall and J.F. Cochran, The Generation and Detection of Acoustic Waves in Metals by Means of Electromagnetic Radiation, Can. Journ. of Phys. 47.
-
1. J. F. Cochran, A Note on the Surface Impedance and Transmission of Radiation through Tin Metal Slabs, to be published in Canadian Journal of Physics.
 2. V. Kambersky. Ferromagnetic resonance in Iron Whiskers. Accepted for publication in Canadian Journal of Physics after minor revisions.

Sept 1966

Curriculum Vitae

EINSTEIN, Frederick W. B.

Assistant Professor - Department of Chemistry

Degrees:

B. Sc.	Uni. of New Zealand	1962
M. Sc.	Uni. of Canterbury	1963
Ph. D.	Uni. of Canterbury	1965

Positions Held:

Post-doctoral Fellow	1965 - 67	U.B.C.
Assistant Professor	1967 -	S.F.U.

Publications:

1. Frederick W.B. Einstein and Bruce R. Penfold, The Crystal Structures of Hydrated Tetraperoxyditungstate(VI), $K_2W_2O_{11} \cdot 4H_2O$, Acta Cryst, 1964, 17, 1127.
2. Frederick W.B. Einstein, Bruce R. Penfold and Quentin T. Tapsell, The Crystal and Molecular Structure of Diphosphorus Hexathiodibromide, Inorganic Chemistry, 1965, 4, 186.
3. Frederick W.B. Einstein, Denis T. Dixon and Bruce R. Penfold, The Molecular and Crystal Structure of Sulphur Deficient Tetraphosphorus Heptasulphide ($8 P_4S_7$), Acta Cryst., 1965, 18, 221.
4. Frederick W.B. Einstein and Bruce R. Penfold, The Crystal Structure of Terpyridylzinc Chloride: a Refinement, Acta Cryst., 1966, 20, 924.
5. Frederick W.B. Einstein, Neil Bartlett, D.F. Stewart and James Trotter, The Preparation, Crystal Structure and Magnetic Properties of Pentafluoroxenonyl Hexafluoroplatinate(V) $[XeF_5]^+ [PtF_6]^-$, Chem. Comm., 1966, 550.
6. Frederick W.B. Einstein, W.R. Cullen and James Trotter, The Novel Structure of $Me_2AsC \equiv C(AsMe_2)CF_2CF_2[Fe(CO)_3]_2$, J.A.C.S. 88, 5670, 1966.
7. Frederick W.B. Einstein and Bruce R. Penfold, A Compound Containing Tin(IV) in Both 5-Fold and 6-Fold Coordination, Chem. Comm., 1966, 780.
8. Frederick W.B. Einstein, H. Luth and James Trotter, The Crystal and Molecular Structure of Cis - 1,2 - Difluoro Vinylpenta-carbonylmanganese, J. Chem. Soc. (A), 1967, 89.
9. Frederick W.B. Einstein and James Trotter, The Structure of $Me_2AsC \equiv C(AsMe_2)CF_2CF_2[Fe(CO)_3]_2$, J. Chem. Soc. (A), 1967, 824.
10. Neil Bartlett, Frederick W.B. Einstein, D.F. Stewart and James Trotter, The Crystal Structure of $(XeF_5)^+ (PtF_6)^-$, J. Chem. Soc. (A), 1967, 1190.
11. Frederick W.B. Einstein and G.A. Rodley, The Crystal and Molecular Structure of Diperchlorate Bis (o-phenylenebisdimethylarsine) cobalt(II), J. Inorg. Nucl. Chem., 29, 347, 1967.

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12. Frederick W.B. Einstein, P.R. Rao, James Trotter and Neil Bartlett, The Crystal Structure of Gold Trifluoride, J. Chem. Soc. (A), 1967, 478.
13. Frederick W.B. Einstein, James Trotter and Carolyn Williston, The Crystal Structure of β Dimethyltellurium diiodide, J. Chem. Soc. (A), 1967, 2018.
14. Frederick W.B. Einstein, G. Hunter, D.G. Tuck and M.K. Yang, Complexes of Indium with Unsaturated Bidentate Sulphur-donor Ligands, Chem. Comm., 1968, 423.
15. F.W.B. Einstein and B.R. Penfold, "The Crystal Structure of a Compound Containing Tin IV in Both 5 and 6 Fold Coordination". J. Chem. Soc. 3019 (1968).
16. D.S. Brown, F.W.B. Einstein and D.G. Tuck, A Tetragonal Pyramidal Indium III Species: The Crystal Structure of Tetraethylammonium Pentachloroindate(III), Inorg. Chem. 8, 14 (1969).
17. James, Trotter, F.W.B. Einstein and D.G. Tuck, "The Crystal Structure of Tetraethylammoniumtetrachloroindate (III)". Acta Cryst. B25, 603 (1969).
18. F. Einstein and Anne Marie Svensson, "The Structure of $(AsMe_2)C \equiv CCF_2CF_2((AsMe_2)Fe_3(CO)_9)$. J.A.C.S. 91, 3663 (1969).

Dept. Record

NAME: Francis John Fulton FISHER

POSITION: Professor

DEPARTMENT: Biological Sciences

DEGREES:	Bachelor's	University of Canterbury, N.Z.	1947
	Master's	" " " "	1949
	Doctorate	University of New Zealand	1954

POSITIONS/RESEARCH:

Director, Botanic Gardens, June 1957 - November 1958,
Tasmanian Government, Hobart

Senior Lecturer, June 1957 - December 1958, Department of
Botany, University of Tasmania

Principal Scientific, December 1958 - July 1965, Botany
Division, New Zealand Department of Scientific and
Industrial Research

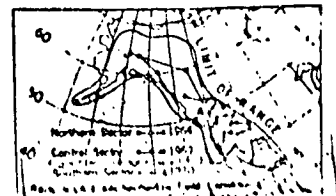
Associate Professor, July 1965 - August 1967, Department
of Biological Sciences, Simon Fraser University

Professor, September 1967 to present, Department of
Biological Sciences, Simon Fraser University

PUBLICATIONS:

- (1) 1965. Fisher, F.J.F.
The Alpine Ranunculi of New Zealand. N.Z. D.S.I.R.
Monograph 165: 1-191. Wellington. Government Printer.
(Copy enclosed).
- (2) 1968a. Fisher, F.J.F.
Rocks, Shingle-slides, and riverbeds. Chapter 11 in
The Natural History of Canterbury. Centennial publication
ed. G.A. Knox. Christchurch, New Zealand.
X (Copy enclosed).
- (3) 1968b. Fisher, F.J.F.
The role of geographical and ecological studies in
taxonomy. Chapter 17 in Modern Methods in Plant Taxonomy.
X ed. V.H. Heywood.
(Copy enclosed).

N. American range of Ranunculus eschscholtzii
showing field collections 1968-70 (see below):



REFERENCES (continued from p.2)

- (4) Fisher, F.J.F. 1960a. Comparative physiology of ecological races in Mimulus. Proc. New Zealand Ecological Society 7: 17-19.
- (5) Waring, R.H. 1969. Forest plants of the eastern Siskiyou: their environmental and vegetational distribution. Northwest Sci. 43: 1-17, illus.
- (6) Fisher, F.J.F. 1960b. Leaf morphogenesis in Ranunculus hirtus. New Zealand J. of Science 3: 685-93.
- (7) Fisher, F.J.F. 1969a. Videographic retrieval in biogeographical studies. Symposium on New Developments and Approaches in Systematic Research: XI Botanical Congress. Convenor V.H. Heywood.
ABSTRACT: Controllable manipulation of biogeographical data is shown for a computer-graphics system with video-monitor & light pen. Fully modifiable as to location, scale, & projection - base-diagrams, maps, or photographs allow immediate comparison of ecological & biosystematic patterns, singly or combined. Increased facility in handling electronic rather than manual overlays permits extended exploration of trends & correlations usually limited by economic constraints. Substantial gains in capacity & effectiveness are shown with the use of simultaneous mathematical analysis, display of tabulated taxonomic, floristic, or ecological data, electro-optical storage, & color-video. Incorporation of new data at basic levels ensures complete re-integration of all available information each time analytical programming is initiated. Comprehensive development of biological videography requires data-collection & storage on a scale rarely attempted but important biosystematic insights (Ranunculus eschscholtzii in Western N. America) as well as economically far-reaching treatments (Canada Land Inventory) are possible even with the scattered data now available. Large scale data-collection requires a new kind of field-worker and training program; the untapped potentialities of Canadian Indians for this work are noted.
- (8) Fisher, F.J.F. 1969-70. Adaptation and Adaptability: Change Processes in Living Systems (in preparation for McGraw Hill Book Co.)
 A senior university text in evolutionary biology embodying a comparative systems approach in which evolution, ecological change, morphogenesis, and learning are tied into a holistic framework. Evolution is seen as a series of progressive increases in the capacity of living systems to handle more and more complex information in an adaptively integrative manner. The process occurs by the successive displacement of increasingly integrative coalitions, and has culminated in potentially the most adaptively flexible of survival mechanisms yet to have arisen, human value systems.
- (9) Fisher, F.J.F. 1969-70. A Biological View of Social Change. in Countdown to 2000: A Symposium on the Future Environment of Man. ed. Bhiku Parekh University of Hull, England. World University Service.
 (in press: publication anticipated early 1970)

Sept. Review

Curriculum Vitae

JONES, Billy L.

Assistant Professor - Department of Physics

Degrees:

B. Sc.	Uni. of Oklahoma	1959
M. Sc.	Uni. of Oregon	1962
Ph. D.	Uni. of Oregon	1965

Positions Held:

Postdoctoral Fellow	July 1965 - July 1966	U.B.C.
Assistant Professor	July 1966	S.F.U.

Publications:

1. "Normal Fermi Liquid Theory for electrons in Solids", B. L. Jones and J. W. McClure, Phys. Rev. 143, 133 (1966).
2. "Negative Photoconductivity and Electrical Instabilities in Semiconductors", B. L. Jones and P. R. Beaudet, Can. J. Phys. 45, 4091 (1967).
3. "Effect of an External Radiation on the Energy Levels of an Electron System", B. L. Jones and M. Verschuerern, Phys. Rev. 176, 42 (1968).

Sept. Review

NAME: Robin Willmott LARDNER

POSITION: Associate Professor

DEPARTMENT: Mathematics

DEGREES:	Bachelor's	University of Cambridge	1959
	Doctorate	University of Cambridge	1963

POSITIONS/RESEARCH:

Research Associate, 1961-63, Department of Physics,
Columbia, N.Y.

Fellow, 1963-65, Department of Applied Math. & Theor.
Physics, Cambridge, England

Lecturer, 1965-67, Department of Math. & Physics,
University of East Anglia, Norwich, England

Associate Professor, 1967 to present, Department of
Mathematics, Simon Fraser University.

PUBLICATIONS:

1. Crack Propagation under Random Loading I.
J. Mech. Phys. Solids 14, 141-150 (1966).
2. Crack Propagation under Random Loading II.
J. Mech. Phys. Solids 14, 281-288 (1966).
3. A Theory of Random Fatigue.
J. Mech. Phys. Solids 15, 205-221 (1967).
4. A dislocation model for fatigue crack growth in metals.
Phil. Mag. 17, 71-82 (1968).
5. The effect of crystal orientations on fatigue crack growth.
Canadian J. Phys. 46, 2225-6 (1968).
6. Plastic yield on inclined slip-planes at the tip of a crack.
Intern. J. Fracture Mechs. 4, 299-319 (1968).
7. Plane strain plasticity of single crystals.
Intern. J. Engng. Science 7, 417-425 (1969).
8. Dislocation dynamics and the plasticity of single crystals.
Z.A.M.P. 20, 514-529 (1969).
9. The linear theory of second-grade elastic materials.
Quart. Appl. Math. 27, 323-334 (1969).

Sept. Review

NAME: Richard Michael SADLEIR

POSITION: Associate Professor

DEPARTMENT: Biological Sciences

DEGREES: Bachelor's University of Western Australia 1958
Doctorate University of Western Australia 1961

POSITIONS/RESEARCH:

Post-Doctoral Fellow, 1962-63, Zoology Department,
University of British Columbia

Post-Doctoral Visitor, 1964, Nature Conservancy Unit of
Grouse and Moorland Edology, University of Aberdeen,
Scotland.

Research Fellow, 1965-67, Wellcome Institute of Comparative
Physiology, Zoological Society of London, London, England.

Assistant Professor, 1967-69, Department of Biological
Sciences, Simon Fraser University

Associate Professor, 1969 to present, Department of
Biological Sciences, Simon Fraser University.

PUBLICATIONS:

SADLEIR, R.M.F.S. (1965) "Reproduction in two species of kangaroo Macropus robustus and Megaleia rufa in the arid Pilbara region of Western Australia", Proc. Zool. Soc. Lond. 145 pp. 239-261.

SADLEIR, R.M.F.S. (1965) "The relationship between agonistic behaviour and population changes in the deermice Peromyscus maniculatus (Wagner)", J. Anim. Ecol. 34 pp. 331-352.

SADLEIR, R.M.F.S. (1966) "The preservation of mammalian spermatozoa by freezing", Lab. pract. 15 pp. 413-417.

HEALEY, P. and SADLEIR, R.M.F.S. (1966) "The construction of rectal electrodes for electro-ejaculation", J. Reprod. Fertil. 11 pp. 299-301.

SADLEIR, R.M.F.S. (1966) "Notes on reproduction in the larger Felidae", Inter. Zoo. Yrbk. 6 pp. 184-187.

SADLEIR, R.M.F.S. (1966) "The diagnosis of infertility in a black leopard (Panthera pardus)", Vet. Rec. 79 pp. 397-398.

RICHARDSON, D.W. and SADLEIR, R.M.F.S. (1967) "The toxicity of various non-electrolytes to human spermatozoa and their protective effects during freezing", J. Reprod. Fertil. 14 pp. 439-444.

ROWLANDS, I.W. and SADLEIR, R.M.F.S. (1968) "Induction of ovulation in the lion (Felis leo)", J. Reprod. Fertil. 16 pp. 106-111.

SADLEIR, R.M.F.S. (1968) "Reproductive responses to the environment in mammals", J. Psychosomatic Res. 12 pp. 3-9.

SADLEIR, R.M.F.S. (1969) "The role of nutrition in the reproduction of wild mammals", J. Reprod. Fertil. Suppl. No. 6: 39-48.

SADLEIR, R.M.F.S. (1969) "The ecology of reproduction in wild and domestic mammals", pp. 121, pp. Hutchinson, London.

UNRAU, A. M.

Professor - Department of Chemistry

Degrees:

B. Sc.	Uni. B. C.	1952
M. Sc.	Uni. B. C.	1953
Ph. D.	Uni. of Minnesota	1956
Ph. D.	Uni. of Minnesota	1959

Positions Held:

Assistant Professor	1959 - 60	Uni. of Hawaii
Research Fellow	1960 - 61	U.B.C.
Associate Professor	1961 - 65	Uni. of Manitoba
Associate Professor	1965 - 66	S.F.U.
Professor	1966 -	S. F. U.

Publications:

1. Hill, R.D. and A.M. Unrau. Biosynthesis of Colchicine. Tracer Studies with Cinnamate-3-C¹⁴ Methanol-C¹⁴ and Ornithine-2-C¹⁴. Can. J. Chem., 43, 709 (1965).
2. Dutton, G.G.S. and A.M. Unrau. Analysis of Products from Periodate Oxidation and from Methylation of a Rhamnan. Can. J. Chem., 43, 1738 (1965).
3. Hay, G.W., B.A. Lewis, F. Smith and A.M. Unrau. Determination of Reducing End-groups by Periodate Oxidation. Methods in Carbohydrate Chemistry: Vol. 5, p. 251-253 (1965) Ed. R. L. Whistler.
4. Dutton, G.G.S. and A.M. Unrau. Applications of Gas-Liquid chromatography to the Determination of Polysaccharide Structures. Model Studies of a Synthetic D-Galactan. Carbohydrate Res., 1, 116 (1965).
5. Dutton, G.G.S. and A.M. Unrau. Some Applications of Paper and Vapor Phase Chromatography to Polysaccharides. J. Chromat., 20, 78 (1965).
6. Dutton, G.G.S. and A.M. Unrau. The Structure of a Synthetic Arabinan. Can. J. Chem., 43, 924 (1965).
7. Yong, G.C. and A.M. Unrau. Alien Genome Combinations in Cereals and Influence on Amino Acid Composition of Protein Fractions. J. Agric. Food Chem., 14, 8 (1966).
8. Hill, R.D., A.M. Unrau and D.T. Canvin. The Biosynthesis of Fusaric Acid from ¹⁴C-labelled Acetate in Giberella Fujikuroi. Can. J. Chem., 44, 2077 (1966).
9. May-Lay Fan and A.M. Unrau. Alkaline Permanganate Decarboxylation of β -Amino- and β -Hydroxypropionic Acid. Can. J. Chem., 44, 2090 (1966).
10. La Croix, L.J., G.K. Chua, R. Levy and A.M. Unrau. Electron Capture Gas Chromatography Application to Analysis of Sulfur Compounds in Onion. A.S.H.S., 91, 410 (1967).
11. Dutton, G.G.S. and A.M. Unrau. Structure Analysis of a Synthetic Maltose Polymer. J. Chromatog. 36, 283 (1968).
12. Unrau, A.M. and K.S. Slow. Effect of Alkylidinitrophenols on Photophosphorylation in Chloroplasts. Biochem. 7, 3507 (1968).
13. La Croix, L.J., G.K. Chua, R. Levy and A.M. Unrau. Analysis of Correlations of Sulfur Compounds with Flavour and Pungency in Onions. A.S.H.S. 93, 565 (1969).

14. Candlish, M., L.J. La Croix and A.M. Unrau. Biosynthesis of 3-Nitropropionic Acid in Creeping Indigo. Biochem. 8, 182 (1969).
15. J.A. Lockhart, K.W. Ng, P.E. Nott and A.M. Unrau. Mechanism of trimethylisoxazole formation from nitroethane. Can. J. Chem. 47, 3107 (1969).
16. M.L. Fan, L.J. La Croix and A.M. Unrau. Biosynthesis of 2-deoxy-0-ribose in wheat embryos. Biochem. 8, 4083 (1969).