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56.01- 001 ✓ 1 ✓	THE SILICA CONTENT OF GUINEA PIG TISSUES AS DETERMINED BY CHEMICAL AND ISOTOPIC TECHNIQUES.  Can. J. Biochem. Physiol. 37: 1173-1181. 1959.	F. Sauer D.H. Laughland W.M. Davidson
52.02.10 ✓ 2 ✓	THE EFFECT OF RELATIVE PROTEIN AND ENERGY CONTENT OF DAIRY RATIONS ON PRODUCTION AND COMPOSITION OF MILK.  Can. J. Animal Sci. 39: 226-234. 1959.	V.S. Logan Vern Miles S.R. Haskell
51.11.20 ✓ 3 ✓	DIFFERENCES IN MARKET QUALITY BETWEEN BROILER STRAINS AS EVALUATED BY MARKET GRADING  Can. J. Animal Sci. 39: 121-127. 1959.	E.S. Merritt
54.05.08 ✓ 4 ✓	A RELATIONSHIP BETWEEN VITAMIN B <sub>12</sub> AND REPRODUCTION AND A METHOD OF DIAGNOZING VITAMIN B <sub>12</sub> DEFICIENCY IN INDIVIDUAL SOWS.  Am. J. Vet. Res. 21: 478-481. 1960.	G.L. Frederick
54.00.12 ✓ 5 ✓	REMOVAL OF STRONTIUM AND CESIUM FROM MILK.  Nature 184: 374-375. 1959.	B.B. Migicovsky
54.00.08 ✓ 6 ✓	A NEW METHOD OF ALPHA-RAY MICRORADIOGRAPHY APPLIED TO THE STUDY OF CHICK CARTILAGE.  Trans. Royal Soc. Can. 53: 21-28. 1959.	Leonard Belanger B.B. Migicovsky
54.00.12 ✓ 7 ✓	REMOVAL OF STRONTIUM AND CESIUM FROM MILK.  Can. J. Biochem. Physiol. 37: 1287-1292. 1959.	B.B. Migicovsky
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✓ 9. X	RICKETS STUDIED WITH ISOTOPEs.	B.B. Migicovsky L.F. Belanger
Chapter	<u>In Radioisotopes and bone.</u> Ed. F.C. McLean, P. Lacroix and Ann M. Budy. Blackwell Scient. Publ. Oxford. pp. 167-189. 1960.	
✓ 10 X	THE EFFECT OF "VISIBLE" LIGHT ON THE FERTILIZING CAPACITY OF FOWL SPERMATOZOAs.	W.G. Hunsaker J.R. Aitken
54.11.01	Poultry Sci. 39: 865-867. 1960.	
✓ 11. X	DEMONSTRATION OF SILICEOUS DEPOSITS IN THE KIDNEY OF THE GUINEA PIG.	W.R. Settle F. Sauer
56.01.01	Am. J. Vet. Res. 21: 709-711. 1960.	
✓ 12 X	INHIBITION OF CHOLESTEROL BIOSYNTHESIS BY A MITOCHONDRIAL EXTRACT.	B.B. Migicovsky
54.00.04	Can. J. Biochem. Physiol. 38: 339-346. 1960.	
13	<i>No publications</i> AUTORADIOGRAPHIC AND HISTOCHEMICAL OBSERVATIONS OF THE POLYSACCHARIDES OF THE EPIPHYSEAL PLATE OF RACHITIC CHICKS VARIOUSLY TREATED. PT. II. THE EFFECTS OF ADRENAL GLUCOCORTICOIDs.	L.F. Belanger B.B. Migicovsky
54-00-01 have added L.F.B.	Anat. Rec. 143: 139-207. 1961.	<i>not this journal volume or page not vol. 144 either</i>
✓ 14 X	FLAVOUR STUDIES ON PORK FROM HOGS FED FISH SILAGE.	S.R. Haskell G.I. Pritchard Lenore Newman D.A. Shearer C.D.T. Cameron W.J. Pigden
5-3.05.?	Can. J. Animal Sci. 39: 235-239. 1959.	
✓ 15 X	THE REPRODUCTIVE PERFORMANCE OF GEESE IN THEIR first and second years.	E.S. Merritt R.S. Gowe J.R. Pelletier
51.13.02	Poultry Sci. 39: 1008-1009. 1960.	
✓ 16 X	INHERITANCE OF A SERUM PROTEIN IN SWINE.	F.K. Kristjansso
51.05.09	Science 131: 1681. 1960.	

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✓ 17 X 51.11.07	STUDIES ON THE DESIGN OF COMPARATIVE POULTRY TESTS. II. EFFECT OF REARING AND HOUSING METHODS ON PERFORMANCE OF DIFFERENT STRAINS OF LEGHORNS.	F.G. Proudfoot R.S. Gowe
	Brit. Poultry Sci. 2: 21-38. 1961.	
✓ 18 X 52.00.01	INDICATOR METHODS FOR ESTIMATING AMOUNT OF FORAGE CONSUMED BY GRAZING ANIMALS.	G.J. Brisson
	Proc. 8th Intern. Grassl. Congr. 435-438. 1960.	
✓ 19 X 52.00.01	INTERACTION OF DESIGN, SWARD AND MANAGEMENT ON YIELD AND UTILIZATION OF HERBAGE IN CANADIAN GRAZING TRIALS.	W.J. Pigden J.E.R. Greenshield
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✓ 21 X 51.11.20	GROWTH, VARIABILITY OF GROWTH, AND MARKET QUALITY OF BROILERS ON MASH AND PELLETS.	E.S. Merritt J.D. Downs R. Bordeleau F.T. Tinney
	Can. J. Animal Sci. 40: 7-14. 1960.	
✓ 22 X 54.00.08	A COMPARISON BETWEEN DIFFERENT MUCOPOLYSACCHARIDE STAINS AS APPLIED TO CHICK EPIPHYSEAL CARTILAGE.	L.F. Belanger B.B. Migicovsky
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✓ 23 X 51.11.01	RESTRICTED VERSUS FULL-FEEDING DURING THE GROWING PERIOD FOR EGG PRODUCTION STOCK.	R.S. Gowe A.S. Johnson R.D. Crawford J.H. Downs A.T. Hill W.F. Mountain J.R. Pelletier J.H. STRAIN
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✓ 24 X 54.00.09	COMPOSITION OF EPIPHYSEAL CARTILAGE. I. CHANGES IN HEXOSAMINE AND ACETONE EXTRACTABLE CONTENTS OF EPIPHYSEAL CARTILAGE OF RACHITIC CHICKS FOLLOWING ADMINISTRATION OF VITAMIN D <sub>3</sub> .	J.D. Ciperia B.B. Migicovsky L.F. Belanger
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✓ 25 X 54.00.01	COMPARATIVE EFFECTS OF VITAMIN D, CALCIUM, CORTISONE, HYDROCORTISONE, AND NORETHANDROLONE ON THE EPIPHYSEAL CARTILAGE AND BONE OF RACHITIC CHICKS.	L.F. Belanger B.B. Migicovsky
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✓ 27 X 54.00.06	THE INFLUENCE OF ADRENALECTOMY AND INDIVIDUAL STEROIDS UPON METABOLISM OF ACETATE-1-C <sup>14</sup> BY RAT LIVER SLICES. I. INCORPORATION INTO PROTEINS.	J.S. Willmer T.S. Foster
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✓ 29 X 51.02.01	PRODUCTION STUDIES IN EXPERIMENTAL FARMS DAIRY HERDS. II. USEFULNESS OF 180-DAY YIELD FOR CULLING.	C.G. Hickman
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✓ 35 X 51.11.29	PERFORMANCE OF LAYING HENS SUBJECTED TO RESTRICTED FEEDING DURING REARING AND LAYING PERIODS.	E.D. Walter J.R. Aitken
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69 ✓ 52.01.32	NOTE ON GRASS SILAGE IN RATIONS FOR WINTERING BEEF CALVES.  Can. J. Animal Sci. 41: 2: 268-269. 1961.	W.A. Jordan P.E. Sylvestre
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✓ 190 51.02.09	<del>IMPORTANCE OF LACTATION NUMBER, AGE, AND SEASON OF CALVING FOR BREED IMPROVEMENT USING ROP DAIRY CATTLE RECORDS.</del> SEASONAL CALVINGS BY LACTATION IN R.O.P. TESTED <sup>Holstein Friesian</sup> HERDS <sup>relation to contemporary comparisons.</sup> Can. Dept. Agr. Can. J. Animal Sci. 45: 181-188. 1965.	K. Gravir C.G. Hickman
✓ 191 54.10.06	THE METABOLISM OF MUCOPOLYSACCHARIDES. II. THE EFFECT OF ADRENALECTOMY ON ENZYMES INVOLVED IN GLUCURONIDE SYNTHESIS AND METABOLISM IN CONNECTIVE TISSUE.  Can. J. Biochem. 43: 1417-1425. 1965.	T.S. Foster
192 54.01.03	<del>SOME PHYSIOLOGICAL RESPONSES OF BEEF CATTLE TO LOW ENVIRONMENTAL TEMPERATURES.</del> J. Animal Sci. <del>NO Publication</del>	M. Hidiroglou W.E.J. Phillips
193 52.00.12	ESOPHAGEAL FISTULA CANNULAE FOR PASTURE EVALUATION STUDIES. <del>NO Publication</del>  Can. J. Animal Sci.	H.F. Jeffers
194 54.00.09	EFFECT OF VARIATIONS IN THE INTAKE OF CHOLESTEROL AND VITAMIN A ON HEPATIC UBIQUINONES AND STEROLS OF RATS. <del>NO Publication</del>  Can. J. Biochem.	W.E.J. Phillips
✓ 195 52.00.12	AN IN VITRO RUMEN TECHNIQUE FOR DRY MATTER DIGESTIBILITY EVALUATION OF FORAGES.  Bio-graphic Mimeo. 12 p. 1964.	G.I. Pritchard A.I. MacIntosh
✓ 196 54.11.06	THE ECONOMIC VALUE OF RESTRICTED AND FULL-FEEDING DURING CONFINEMENT REARING ON TWO-YEAR EGG PRODUCTION.  Brit. Poultry Sci. 6: 287-295. 1965.	K.G. Hollands R.S. Gowe
✓ 197 54.11.06	EFFECTS OF FEED RESTRICTION ON BLOOD PRESSURE, HEART RATE AND CERTAIN ORGAN WEIGHTS OF THE CHICKEN.  Brit. Poultry Sci. 6: 297-310. 1965.	R.S. Gowe K.G. Hollands P.M. Morse

201 A

NOT numbered + to response of checks at different laboratories to a series of diets differing in amount and composition

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No.	Title	Authors
54.00.02 ✓ 198 ✓	EFFECTS OF DIELDRIN ON THE METABOLISM OF VITAMIN A AND CAROTENE IN THE RAT. Can. J. Physiol. Pharmacol. 43: 649-656. 1965.	W.E.J. Phillips
54.00.02 ✓ 199 ✓	EFFECT OF DIETARY NITRITE ON THE LIVER STORAGE OF VITAMIN A IN THE RAT. Can. J. Biochem. 44: 1-7. 1966.	W.E.J. Phillips
54.00.06 ✓ 200 ✓	EFFECT OF NORETHANDROLONE ON SELECTED CONNECTIVE TISSUES. Can. J. Biochem. 43: 1235-1241. 1965.	J.D. Ciperia B.B. Migicovsky L.F. Belanger
54.00.06 ✓ 201 ✓	THE INFLUENCE OF DEHYDROEPIANDROSTERONE AND PREGNENOLONE UPON ADAPTATION OF HEPATIC GLUCOSE-6-PHOSPHATE DEHYDROGENASE TO REFEEDING A HIGH-GLUCOSE DIET AFTER FASTING. Can. J. Biochem. 43: 1375-1377. 1965.	J.S. Willmer T.S. Foster
Withdrawn by 54.00.06 202	EFFECT OF AY-9944 UPON ADRENAL STEROID SYNTHESIS. Can. J. Physiol. Pharmacol.	J.S. Willmer T.S. Foster
← (202A) 54.00.06 ✓ 203 ✓	RESTORATION OF HEPATIC AND MAMMARY GLAND HEXOSEMONOPHOSPHATE SHUNT ACTIVITY IN THE ADRENALECTOMIZED LACTATING RAT BY ADRENAL CORTICOID. Can. J. Physiol. Pharmacol. 43: 905-913. 1965.	J.S. Willmer T.S. Foster
51.05.09 ✓ 204 ✓	<del>NEW TRANSFERRIN ALLELES IN HOLSTEIN AND AYRSHIRE CATTLE.</del> Subdivision of the allele T <sup>D</sup> for transferrins in Holstein and Ayrshire cattle. Genetics 52: 627-630. 1965.	F.K. Kristjansson C.G. Hickman
54.00.06 ✓ 205	COMPARATIVE PERFORMANCE OF HOLSTEIN, SHORTHORN AND SHORTHORN X HOLSTEIN CALVES FOR VEAL. Can. J. Animal Sci. <i>see cont # 357</i>	H.F. Jeffers G.M. Carman Vern Miles V.S. Logan
54.00.06 ✓ 206	PRECISE ULTRAMICRO ESTIMATION OF URINARY STEROID HORMONES AND METABOLITES BY COMBINED TLC AND GLC ANALYSIS. <i>No publisher</i>	F.A. Vandenhoeve

(journal announced later)

No.

Title

Authors

207 ~~A REVIEW OF VITAMIN B<sub>12</sub> PHYSIOLOGY RELATED TO REPRODUCTION IN THE PIG.~~  
 A review of physiologic responses that indicate the vitamin B<sub>12</sub> requirement of sows for reproduction.  
 Can. J. Animal Sci. *No publication* G.L. Frederick

54.80.03 208 ✓ ON THE MECHANISM OF ACETOACETATE SYNTHESIS BY GUINEA PIG LIVER FRACTIONS.  
 J. Biol. Chem. 241: 30-37. 1966. F. Sauer  
 J.D. Erfle

52.00.12 209 ✓ COMPARATIVE ENERGY AVAILABILITY FOR <sup>Lamb</sup> SHEEP OF FOUR TIMOTHY VARIETIES AT PROGRESSIVE GROWTH STAGES.  
 J. Animal Science 25: 142-149. 1966 D.P. Heaney  
 W.J. Pigden  
 G.I. Pritchard

51.11.27 210 ✓ ESTIMATES BY SEX OF GENETIC PARAMETERS FOR BODY WEIGHT AND SKELETAL DIMENSIONS IN A RANDOM BRED STRAIN OF MEAT TYPE FOWL.  
 Poultry Sci. 45: 118-125. 1966. E.S. Merritt

57.11.02 211 ✓ Determination of Evans blue in <sup>avian</sup> plasma by protein precipitation and extraction.  
 Proc. Soc. Exp. Biol. Med. 120: 747-749. 1965. W.G. Hunsaker

51.11.17  
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51.11.27 212 ✓ Direct and correlated responses to selection for 63-day body weight in chickens.  
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 M. Zawalsky  
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213 ✓ An experimental test of quantitative genetic theory.  
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 O. Kempthorne

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215 ✓ Blood volume of geese treated with androgen and estrogen.  
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216 The effects of freezing or drying pasture herbage on ~~results of~~ digestibility and voluntary intake assays.  
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209	Heaney ✓ Pigden ✓ Pritchard ✓	Comparative energy availability for sheep of four timothy varieties at progressive growth stages. J. Animal Sci. 25: 142-149. 1966.	Jul.22/65	Jan.14/66 300	Yes
210	Merritt ✓	Estimates of sex of genetic parameters for body weight and skeletal dimensions in a random bred strain of meat type fowl. Poultry Sci. 45: 118-125. 1966.	Jul.22/65	Jan.12/66 300	May 17/66
211	Hunsaker ✓	Determination of Evans blue in avian plasma by protein precipitation and extraction. Proc. Soc. Exp. Biol. Med. 120: 747-749. 1965.	by NH&W	Dec.17/65 100	Mar. 1/66
212	Merritt ✓ Zawalsky ✓ Slen ✓	Direct and correlated responses to selection for 63-day body weight in chickens. Proc. 13th World's Poultry Congress pp. 86-91. 1966.	Oct.19/65	-	✓ (Pigden)
213	Kidwell ✓ Kempthorne ✓	An experimental test of quantitative genetic theory. Der Zuchter 36: 163-167. 1966.	Kidwell	Kidwell	Yes
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215	Hunsaker ✓	Blood volume of geese treated with androgen and estrogen. Poultry Sci. 47: 371-376. 1968.	Oct.13/66	Mar.8/68	Yes <i>2/2/91</i>
216	Heaney ✓ Pigden ✓ Pritchard ✓	The effects of freezing or drying pasture herbage on digestibility and voluntary intake assays with sheep. Proc. X Int. Grassland Cong. pp. 379-384. 1966.	Nov.12/65	Sep.30/66 200	Apr.13/67
217	Hoffman ✓ Hunt ✓	A thermogravimetric study of egg shell composition. Poultry Sci. 45: 596-600. 1966.	Hoffman	Hoffman	Yes
218	Pigden ✓ Pritchard ✓ Heaney ✓	Physical and chemical methods of increasing the available energy content of forages. Proc. X Int. Grassland Cong. pp. 397-400. 1966.	Nov.19/65	Sep.30/66 200	Apr.13/67



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220 ✓	Kidwell Kidwell	The effects of inbreeding on body weight and abdominal chaeta number in Drosophila Melanogaster. Can. J. Genet. Cytol. 8: 207-215. 1966.	-	100	Sep.23/66
221 ✓	Voisey Merritt Hansen	An angle meter for measuring breast development of chickens. Poultry Sci. 45: 642-643. 1966.	-	-	Yes
222 ✓	Vandenheuvel	Structural role of water in lipoprotein systems. Protoplasma 63: 188-193. 1967.	Jan.13/65	Sep.26/66 300	Nov. 3/67
223 ✓	Proudfoot Gowe	The effect of photoperiodism and rearing period feed restriction on the performance of five Leghorn strains. Poultry Sci. 46: 1056-1072. 1967.	Proudfoot	Aug.22/67	Dec.5/67
(223a) ✓		<del>Genetics studies with Dairy Cattle</del>			
224 ✓	Phillips W & J Hidioglou M Hatina F	Use of liver homogenates for studies on the intracellular site of ubiquinone biosynthesis. Can. J. Biochem. 44: 1615-1624. 1966.	-	-	Yes
225 ✓	Vandenheuvel	Complete hydrolysis of steroid conjugates and quantitative extraction of free steroids from urine. Can. J. Biochem. 45: 191-202. 1967.	-	400	Feb.21/67
226 ✓	Vandenheuvel	Semi-automatic TLC sample applicator. J. Chromatog. 25: 102-108. 1966.	-	400	Jan.24/67
227 ✓	Vandenheuvel	Equipment and techniques for the quantitative recovery of steroids from thin-layer chromatography plates. J. Lab. Clin. Med. 69: 343-350. 1967.	-	Jan.31/67 400	Apr.13/67
228 ✓	Vandenheuvel	Rapid quantitative serial separation of small volumes of chloroformic and aqueous phases. Analyt. Chem. <i>No Publication</i>	Mar.22/66		

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230	Hunt Voisey	Physical properties of egg shells. 1. Relationship of resistance to compression and force at failure of egg shells. Poultry Sci. 45: 1398-1404. 1966.	-	200	Feb. 27/67
231	Cipera	Composition of epiphyseal cartilage. V. Amino acid and amino sugar composition of epiphyseal cartilage of rachitic chicks; changes effected by vitamin D <sub>3</sub> . Can. J. Biochem. 45: 729-734. 1967.	May 4/66	Mar. 22/67 200	May 25/67
232	Aitken Biely Sell Robblee Hill	The nutritive value of Canadian meat meals for chicks. Can. J. Animal Sci. 46: 171-175. 1966.	-	200	Jan. 30/67
233	Voisey Hunt	Physical properties of egg shells. Apparatus for estimating impact resistance of the shell. Brit. Poultry Sci. 8. 259-262.	Voisey	Voisey	May 9/69
234	Frederick	The absorption, organ retention, placental and mammary transfer of intramuscularly administered iron-amino acid complexes compared to iron dextran. Can. J. Physiol. Pharmacol.	Jun. 27/66		
235	Frederick	Hematologic signs of vitamin B <sub>12</sub> deficiency in swine. Am. J. Vet. Res. 28: 1447-1453. 1967.	Jun. 28/66	Aug. 3/67	Oct. 5/67
236	Hidiroglou Nelson Lessard Taylor	Serum transaminase activity in calves affected by nutritional muscular dystrophy in Northern Ontario. Can. Vet. J. 8: 62-69. 1967.	-	150	Mar. 6/67
237	Heaney Pritchard Pioden	Variability in ad libitum forage intakes by sheep. J. Animal Sci. 27: 159-164. 1968.	Aug. 11/66	Sept. 25/67	Mar. 21/68

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238	Frederick	Effect of vitamin B <sub>12</sub> -deficient diet, coprophagy prevention, and isolation on male rat fertility and reproductive organs. Can. J. Animal Sci. <i>no publication</i>	Jul.26/66	<i>Withdrawn</i>	
239 ✓	Frederick	Simplified manufacture and application of modified tail cups for prevention of coprophagy in rats. Lab. Animal Care 17: 327-329. 1967.	Aug.9/66	May 19/67 200	July 24/67
240 ✓	Erfle Sauer	Acetyl-CoA and acetylcarnitine concentration and turnover rates in muscle and liver of the ketotic rat and guinea pig. J. Biol. Chem. 242: 1988-1996. 1967.	Aug.30/66	Mar.8/67 300	Aug. 25/67
242 ✓	Dow	The isolation of skeletal muscle mitochondria showing tight coupling, high respiratory indices and differential ATPase activities. Biochemistry 6: 2915-2922. 1967.	Sep.8/66	Aug.17/67 200	Oct. 24/67
242 ✓	Dow	The isolation from thyrotoxic and diabetic rats of skeletal muscle mitochondria showing tight coupling, high respiratory indices and normal ATPase activities. Biochemistry 6: 3350-3355. 1967.	Sep.8/66	Sept.26/67 200	Dec. 20/67
243 ✓	Voisey Hunt	<del>Relationship between force, shell deformation and fracture force.</del> <i>applied force, deformation of egg shells and fracture force</i> J. Agr. Eng. Res. 12: 1-4. 1967.	Oct.14/66	—	Yes
244 ✓	Hidiroglou Lepage	In vitro incorporation of valeric acids in the lipids of the rumen cellulotitic bacteria. (in French) Can. J. Biochem. 45: 1789-1793. 1967.	Oct.18/66	Oct.23/67 100	Jan.25/68 <i>25/68</i>
245 ✓	Hunsaker	Effect of centrifugal force on packed cell volume and trapped plasma in avian blood. Poultry Sci. 48: 705-711. 1969.	Jan.12/67 Sept.24/68	May 23/69	Sept.4/69
246 ✓	Jenkins Hidiroglou	The incorporation of selenium <sup>75</sup> -selenite into dystrophogenic pasture grass. The chemical nature of the seleno-compounds formed and their availability to young ovine. Can. J. Biochem. 45: 1027-1040. 1967.	Oct.18/66	May 2/67 100	July 21/67

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247 ✓	Hunt Simkiss	Acute respiratory acidosis in the domestic fowl. J. Comp. Biochem. Physiol. 21: 223-230. 1967.	Nov./66	Jan.23/67 100	Yes
248 ✓	Hidioglou Jenkins Carson Brossard	Selenium and coenzyme Q <sub>10</sub> levels in the tissues of dystrophic and healthy calves. Can. J. Physiol. Pharmacol. 45: 568-569. 1967.	Nov.29/66	Mar.29/67 200	June 9/67 ✓ #4
249 ✓	Vandenheuvell	Systematic ultramicro determination of steroids. Chem. Can., March 1967.	Aug.2/66	Jan.11/67 200	Yes
250 ✓	Pigden	Laboratory analyses of herbage used to predict nutritive value. Pasture Handbook, Chapter 6	Jan.12/67	—	✓ photocopy
251 ✓	Pigden Minson D.J.	Methods for determining the digestibility of grazed swards. Pasture Handbook, Chapter 18	Feb.20/67	—	✓ photocopy
252 ✓	Cherian A.G. Cipera	Effects of parathyroidectomy and of administration of parathormone on serum calcium in immature chicks. Poultry Sci. 47: 76-82. 1968.	Dec.6/66	Jan.16/68	May 21/68
253 ✓	Voisey Hunt	Physical properties of egg shells. 4. Stress distribution in the shell. Brit. Poultry Sci. 8: 263-271. 1967.	Voisey	Voisey	✓ photo copy
254 ✓	Jenkins Hidioglou	Removal of Se <sup>75</sup> O <sub>3</sub> and Se <sup>75</sup> O <sub>4</sub> from aqueous solutions of amino acids and plant Se <sup>75</sup> metabolites. Analyt. Biochem. 21: 358-361. 1967.	Dec.13/66	Aug. 1/67	Feb.22/68
255 ✓	Vandenheuvell	Study of biological structure at the molecular level with stereomodel projections. III. The lipids in beef heart mitochondria. No publication Lipids	Jan.26/67		
256 ✓	Cipera Cherian A.G.	Preliminary report on the evidence of thyrocalcitonin in the chick. No publication Science	Jan.12/67		

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258	Hunsaker	Trapped plasma in packed cell volume determinations in avian blood. <i>No publication</i> Can. J. Physiol. Pharmacol.	Feb.20/67		
259	Gravir K Hickman	Control of seasonal effect in the regression of first-lactation yield on age of dairy cattle. Acta Scand. Agr. 17: 174-184. 1967.	✓	-	✓ <i>Photo</i>
260	Sarkar NK	Effects of actinomycin D and mitomycin C on the degradation of deoxyribonucleic acid and polydeoxyribonucleotide by deoxyribonucleases and venom phosphodiesterase. Biochem. Biophys. Acta. 145: 174-177. 1967.	Jan.31/67	June 22/67	Oct.24/67
261	Pigden Lister	Production of veal and beef from dairy cattle in Canada. Milk Mktg. Bd. <i>No publication</i>			
262	Hunsaker	Species and sex differences in the percentage of plasma trapped in packed-cell volume determinations on avian blood. <del>Can. J. Physiol. Pharmacol.</del> Poultry Sci. 48: 907-909. 1969.	Oct.22/68	July 4/69	Nov.4/69
263	Logan VS Fisher LJ Haydon PS	Effect of variety of ensiled corn and hay supplementation on milk production. Can. J. Animal Sci. 48: 41-46. 1968.	Mar.29/67	Feb.21/68	Apr.30/68 <i>Photo</i>
264	Smith KE Chancey	Laying rations based on wheat, oats and fishmeal. Poultry Sci. 46: 1438-1442. 1967.	Mar.7/67	Nov.15/67	Mar.14/68 <i>Photo</i>
265	Lister EE	Gastric and intestinal digestion in calves. Proc. Symp. on Digestive Physiology in the Young Ruminant with Special Consideration to the Forestomach Bypass Calf. Univ. Maryland, College Park.	✓	✓	✓ <i>Photo</i>

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*Photo*

*not published in 1965*

*Photo*

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267 ✓	Sarkar	Mechanism of hormone action. Role of nucleotides in gluconeogenesis. Life Sci. 8: 427-434. 1969.	Oct.8/68	Jan.27/69	Aug.14/69
268 ✓	Merritt <i>ES</i>	Genetic parameter estimates for growth and reproductive traits in a randombred control strain of meat type fowl. Poultry Sci. 47: 190-199. 1968.	May 18/67	Jan.24/68 300	May 21/68
269 ✓	Grunder	Distinction between heme and hemoglobin-binding proteins of swine and rabbits by electrophoresis. Vox Sanguinis 14: 236-240. 1968.	Jul.10/67	-	Apr.5/68
270 ✓	Grunder	Hemopexin of rabbits. Vox Sanguinis 14: 218-223. 1968.	Jul.10/67	-	Apr.5/68
271 ✓	Sarkar	Mechanism of hormone actions. 1. Comparative study of the effects of triamcinolone and casein hydrolysate in/rats. Life Sci. 6: 2597-2604. 1967. <span style="float: right;">fasting</span>	June 27/67	Jul.18/67	Feb.22/68
272	Hidiroglou Hickman	Coenzyme Q <sub>10</sub> in bull sperm. <i>NO Publication</i> Can. J. Physiol. Pharmacol.			
273 ✓	Hidiroglou Jenkins Heaney	Metabolism of inorganic selenium in rumen bacteria. Can. J. Physiol. Pharmacol. 46: 229-232. 1968.	June 27/67	Feb.21/68	Apr.24/68 <i>25/4/68</i>
274 ✓	Sauer Sarkar	The lethal effect of ethionine administered to guinea pigs. Biochem. Biophys. Acta 148: 579-582. 1967.	June 27/67	Sept.11/67	Jan.19/68
275 ✓	Jordan Lister Rolands <i>ES</i>	Effect of planes of nutrition on wintering pregnant beef cows. Can. J. Animal Sci. 48: 145-154. 1968.	Aug.22/67	Jul.4/68	Oct.9/68 <i>25/4/68</i>

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276	Carman Pigden	Insulated plywood silos for storage of experimental forage.	Feb 67	-	Photocopy
276A	Winter 1/3 Charotte Logan Campbell	Pasture Handbook, Chapter 8 1969			
277	Logan Pigden	GRAZING SYSTEMS - PASTURE HANDBOOK CHAPTER 13 Estimating herbage yield and quality from liveweight gains.	FEB 67 Feb 67	-	Photocopy photocopy
278	Pritchard G1	Pasture Handbook, Chapter 17 1969			
278	Pritchard G1	How to insert stomach tubes and fistules.	Feb 67	-	Photocopy
279	Pritchard Troelsen JE	Pasture Handbook, Chapter 19 1969			
279	Pritchard Troelsen JE	Microbiological techniques of in vitro and in vivo fermentation.	Feb 67	-	Photocopy
280	Pasture Handbook, Chapter 20 -				
280	Heaney Pigden Minson	Indoor feeding trials for estimating digestibility and intake.	Feb 67	-	Photocopy
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281	Smith D1	Effect of arginine upon the toxicity of excesses of single amino acids in chicks.	Nov. 9/67	-	Sept. 9/68 254/255
		J. Nutr. 95: 547-553. 1968.			
282	Smith	The effect of excess histidine in chick diets on growth and food selection. NO PUBLICATION	Sept. 6/67		254/255
		Poultry Sci. vol 73 - combined with #283?			
283	Sarkar NK Devi A	Biochemistry of growth and aging. NO PUBLICATION	Aug. 22/67		
		Advances in Biochem. Biophys. 2: 161-182. 1968.			
284	Jordan Lister Rowlands	Effect of varying planes of winter nutrition of beef cows on calf performance to weaning.	Aug. 22/67	Jul. 4/68	Oct. 9/68 254/255
		Can. J. Animal Sci. 48: 155-161. 1968.			
285	Smith	The assessment of the availability of amino acids in fishmeal, soybean meal and feather meal by chick growth assay.	✓	✓	Oct. 14/69 254/255
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285A	AS Bayley SJ Slinger SK Atkin	Clampin DR O'Neill JE Robblee A The I phases of metabolism of cumulative diets containing different levels of protein and lysine are	Sept 67	✓	✓

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287	Hickman, C.G. Gravir, K.	Yield adjustment for differences in age at calving. Acta Agr. Scandinavica 18: 199-206. 1968.	Oct. 20/67	-	Mar. 6/69
288 ✓	Fisher, L.J. Lister, E.E.	Assessment of utilization of tallow by ruminants. Can. J. Animal Sci. <i>NO PUBLICATION</i>	Oct. 10/68 <i>cancel</i>	<i>cancel</i>	<i>cancel</i> <sup>25/68</sup>
289 ✓	Fisher, L.J. Logan, V.S. Donovan, L.S. Carson, R.B.	Factors influencing dry matter intake and utilization of corn silage by lactating cows. Can. J. Animal Sci. 48: 207-214. 1968.	Nov. 30/67	Jul. 4/68	Oct. 9/68 <sup>11/11</sup>
290 ✓	Dow, D.S.	The characteristics of thyroxine swelling in skeletal muscle mitochondria. Biochemistry	Oct. 31/67 (Now A.R.I. Cont. (#346)) <i>cancel #290</i>		<i>cancel</i>
291	Hunt, J.R. Chancey, HWR	Influence of dietary phosphorus on shell quality. Brit. Poultry Sci. 11: 259-267. 1970.	Oct. 6/69	Feb. 19/70	Jun. 25/70 <sup>23/69</sup>
292	Frederick, G.L.	Regression of within litter pure weight variance on litter size: Potential criterion of maternal nutritional status during gestation. Can. J. Animal Sci. <i>NO PUBLICATION</i>			
293	Vandenheuvel, FA	Conformation and organization of single-chain lipid molecules in the liquid state. Chem. Phys. Lipids 2: 372-395. 1968.	Nov. 30/67	Oct. 1/68 300	Feb. 20/69
294	Aitken, J.R. Merritt, E.S. Curtis, R.J.	The influence of maternal diet on egg size and progeny performance in meat type hens. Poultry Sci. 48: 596-601. 1969.	Aug. 27/68	May 23/69	Sept. 4/69 <sup>11/11</sup>
295	Sarkar, N.K.	Studies on the mechanism of hormone action. II. Comparative studies of the effects of triamcinolone and casein hydrolysate in starved adrenalectomized rats. Life Sci. 7: 481-491. 1968.	Jan. 4/68	Feb. 21/68	June 12/68

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297	Fisher, L.J.	Effect of methionine infusion on milk production and plasma free amino acid content of lactating cows. Brit. J. Nutrition	Oct. 7/68 <i>Cancel 20/11/68</i>		<del>25/2/69</del> <i>2/1/69</i>
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406 ✓	Cunningham, HM	Conversion of body fat and protein to energy and the transfer of carbon from fatty acids to glucose in the growing pig.  Can. J. Animal Sci. 51: 341-350. 1971.	Dec.16/70	-	Sept.15/71	25/2/71 JH
407 ✓	Friend, DW Brown, RG	Blood sampling from suckling piglets.  Can. J. Animal Sci. 51: 547-549. 1971.	Feb.4/71	Jun.7/71	Sept.15/71	
408 ✓	Hickman, CG Lee, A.J. Slen, SB Kozub, GC	Influence of body size during lactation on level of milk production.  Can. J. Animal Sci. 51: 317-325. 1971.	Feb.4/71	Jul.6/71	Sept.15/71	
409 ✓	Winter, K.A. Pigden, W.J.	Effect of Rumen Infusions of Urea and Urea-sucrose on Utilization of Oat Straw by Cows.  Can. J. Animal Sci. 51: 777-781. 1971.	-	-	Mar.16/72	
410 ✓	Pastro, KR Hunt, JR	Effect of feeding system on protein metabolites in chick blood.  Brit. Poultry Sci. 12: 529-534. 1971.	Feb.23/71	Sept.7/71	Jan.7/72	25/2/71 JH
411 ✓	Robertson, HA	Sequential changes in plasma progesterone in the cow during the oestrous cycle, pregnancy, at parturition and post-partum.  Can. J. Animal Sci. 52: 645-658 (Dec. 1972)	Jul.31/72	Nov. 22/73	Feb. 5/73	
412 ✓	Mahadevan, S Sauer, F	Effect of $\alpha$ -Bromo-palmitate on the oxidation of palmitic acid by rat liver cells.  J. Biol. Chem. 246: 5862-5867. 1971.	Mar.9/71	Aug.18/71	Dec.3/71	25/2/71 JH ✓
413 (x)	Lodge, GA	Quantitative aspects of nutrition in pregnancy and lactation.  Proc. 1971 Nottingham Easter School				Lodge to Lodge May 79

- |     |  |   |                        |                  |                                   |
|-----|--|---|------------------------|------------------|-----------------------------------|
| 415 | ✓ Hunsaker, WG   | Round Heart Disease in four commercial strains of turkeys.<br>Poultry Sci. 50: 1720-1724. 1971.   | Mar.17/71<br><b>49</b> | Sept.22/71       | Mar.8/72                          |
| 416 | ✓ Hidiroglou, M<br>Jenkins, KJ<br>Wauthy, JM<br>Proulx, JE | A note on Prevention of nutritional muscular dystrophy by winter silage feeding of the cow or selenium implantation of the calf.<br>Animal Prod. 14: 115-118. 1972.   | Mar.22/71              | Nov.26/71        | Mar.28/72 <i>25/2/91 ASH ✓</i>    |
| 417 | ✓ Nagai  | Heterosis, and combining and maternal abilities in mouse litter weight.<br>Can. J. Animal Sci. 51: 687-695. 1971.   | Apr.14/71              | Nov.19/71        | Feb.14/72                         |
| 418 | ✓ Lister   | Effects of heat treatment of skim-milk powder and levels of fat and protein in milk replacer diets on the growth of calves.<br>Can. J. Animal Sci. 51: 735-742. 1971.   | Apr.14/71              | Nov.17/71        | Feb.14/72 <i>25/2/91 ASH ✓</i>    |
| 419 | ✓ Nagai  | Preweaning weight as a measure of milk production in mice.<br>Can. J. Genet. Cytol. 13: 354-361. 1971.  | Apr.14/71              | Jun.14/71<br>200 | Oct.28/71                         |
| 420 | ✓ Hidiroglou, M<br>Jenkins, KJ<br>Hoffman, I               | Teneurs en selenium dans les tissus des ruminants.<br>Ann. Biol. Anim. Biochem. Biophys. 11: 695-704. 1971.   | Apr.21/71              | Jul.22/71        | May 8/72 <i>25/2/91 ASH ✓</i>     |
| 421 | ✓ Sarda, I.R.<br>Robertson, HA<br>Smeaton, TC              | Sequential changes in plasma progesterone levels in the ewe during the oestrous cycle, and during pregnancy in intact and ovariectomized sheep; plasma progesterone concentration in the ovariectomized ewe and during anoestrus in the intact ewe.<br><i>C. J. Anim. Sci. 53: 25-34.</i> | Oct.20/72              | Feb.14/73        | May 2/73                          |
| 412 | ✓ Mahadevan, S<br>Sauer, F                                 | Effect of <del>ac</del> bromo-palmitate on the oxidation of palmitic acid by rat liver cells.<br>J. Biol. Chem. 246: 5862-5867. 1971.   | Mar.9/71               | Aug.18/71        | Dec.3/71 <i>25/2/91 ASH ✓</i>     |
| 413 | ⊗ Lodge, GA  | Quantitative aspects of nutrition in pregnancy and lactation.<br>Proc. 1971 Nottingham Easter School  |                        |                  | <i>letter to Lodge<br/>May 79</i> |

Cont. No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Rec'd	File rev'd by Director
414	✓ Hunsaker, WG Robertson, A Magwood, SE	The effect of Round Heart Disease on the electrocardiogram and heart weight of turkey poults. Poultry Sci. 50: 1712-1720. 1971.	Mar.17/71	Sept.22/71	Mar.8/72	
415	✓ Hunsaker, WG	Round Heart Disease in four commercial strains of turkeys. Poultry Sci. 50: 1720-1724. 1971.	Mar.17/71	Sept.22/71	Mar.8/72	
416	✓ Hidioglou, M Jenkins, KJ Wauthy, JM Proulx, JE	A note on Prevention of nutritional muscular dystrophy by winter silage feeding of the cow or selenium implantation of the calf. Animal Prod. 14: 115-118. 1972.	Mar.22/71	Nov.26/71	Mar.28/72	25/2/91 NY ✓
417	✓ Nagai	Heterosis, and combining and maternal abilities in mouse litter weight. Can. J. Animal Sci. 51: 687-695. 1971.	Apr.14/71	Nov.19/71	Feb.14/72	
418	✓ Lister	Effects of heat treatment of skim-milk powder and levels of fat and protein in milk replacer diets on the growth of calves. Can. J. Animal Sci. 51: 735-742. 1971.	Apr.14/71	Nov.17/71	Feb.14/72	25/2/91 NY ✓
419	✓ Nagai	Prewaning weight as a measure of milk production in mice. Can. J. Genet. Cytol. 13: 354-361. 1971.	Apr.14/71	Jun.14/71 200	Oct.28/71	
420	✓ Hidioglou, M Jenkins, KJ Hoffman, I	Teneurs en selenium dans les tissus des ruminants. Ann. Biol. Anim. Biochem. Biophys. 11: 695-704. 1971.	Apr.21/71	Jul.22/71	May 8/72	25/2/91 NY ✓
421	✓ Sarda, I.R. Robertson, HA Smeaton, TC	Sequential changes in plasma progesterone levels in the ewe during the oestrous cycle, and during pregnancy in intact and ovariectomized sheep; plasma progesterone concentration in the ovariectomized ewe and during anoestrus in the intact ewe. Can. J. Animal Sci. 53: 25-34.	Oct.20/72	Feb.14/73	May 2/73	

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Cont. No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Rec'd	File rev'd by Director
422 ✓	Cunningham, HM Friend, DW	Effects of theopylline on the mobilization and oxidation of body fat and the carcass quality of pigs. Can. J. Animal Sci. 51: 639-643. 1971.	May 17/71	?	Feb. 14/72	25/1/91 ✓
423 ✓	Hidiroglou, M Jenkins, KJ	Effect of phytol on the incidence of muscular dystrophy in rabbits. Can. J. Physiol. Pharmacol. 50: 171-172. 1972.	May 17/71	Jan. 21/72	Jun. 6/72	25/1/91 ✓
424 ✓	Hickman, CG Bowden, DM	Correlated genetic responses of feed efficiency, growth and body size in cattle selected for milk solids yield. J. Dairy Sci. 54: 1848-1855. 1971.	June 21/71	Oct. 27/71	Feb. 14/72	
425 ✓	Fisher, LJ Erfle, JD Sauer, FD	Preliminary evaluation of the addition of glucogenic materials to the rations of lactating cows. Can. J. Animal Sci. 51: 721-727. 1971.	June 21/71	Nov. 26/71	Feb. 14/72	25/1/91 ✓
426 ✓	Hidiroglou, M Jenkins, KJ	Serum levels of magnesium, iron and zinc in normal and dystrophic sheep. Can. J. Animal Sci. 51: 803-806. 1971.	July 12/71	Nov. 26/71	Feb. 14/72	25/1/91 ✓
427 ✓	Grunder, AA Jeffers, TK Spencer, JL Robertson, A Speckman, GW	Resistance of strains of chickens to Marek's disease. Can. J. Animal Sci. 52: 1-10. 1972.	July 13/71	Feb. 23/72	May 18/72	
<del>428</del>	Vandenheuvel, F	Brownian movements of membrane subunits. Part I. Translocation frequency. <i>no publication</i> J. Theoretical Biology	Aug. 16/71			<i>Letter to the Editor May 19. M.S. accepted "by another author during the 4 mo. M.S. reviewed C. journal M.S. rejected C. and control</i>
429 ✓	Foster, TS Morley, HV Purkayastha, R Greenhalgh, R Hunt, JR	Residues in eggs and tissues of hens fed a ration containing low levels of pesticides with and without charcoal. J. Economic Entomology 65: 982-988. 1972.	Aug. 16/71	Jun. 7/72	Sept. 8/72	

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430	✓ Grunder	A third allele of serum esterases in domestic fowl and the strain distribution of six phenotypes. Anim. Blood Groups and Biochem. Genet. 2: 189-194. 1971.	Aug.19/71	Nov.17/71	May 8/72	
431	✓ Sarkar, NK	RNA-degrading activities in chicken liver. Currents in Modern Biology: 5 (1972) 25-29	Aug.20/71	Aug.25/72	Jan.2/73	
432	✓ Sarkar, NK	Amino acid incorporating activity of cell-free preparation from chicken liver and the factors that control the process. Currents in Modern Biology: 5 (1972) 30-37	Aug.20/71	Aug.25/72	Jan.3/73	
433	✓ Lee, AJ Hickman, CG	Age and Herd adjustment of first lactation milk yield. J. Dairy Sci. 55: 432-438. 1972.	Aug.25/71	Jan.31/72	May 15/72	
434	✓ Spencer, JL Grunder, AA Robertson, A Speckmann, GW	Attenuated Marek's Disease Herpesvirus: Protection conferred on strains of chickens varying in genetic resistance. Avian Diseases 16: 94-107. 1972.	ADRI	ADRI	June 23/72,	
435	✓ Hidioglou, M Jenkins, KJ	Milk fatty acids composition of beef cows and the incidence of nutritional muscular dystrophy in their calves. Can. J. Animal Sci. 52: 385-393. 1972.	Oct.23/71	Jun.7/72	Aug.29/72,	25/12/91 ✓
436	✓ Fisher, LJ	Evaluation of triticale silage for lactating cows. Can. J. Animal Sci. 52: 373-376. 1972.	Nov.4/71	Jun.6/72	Aug.29/72,	25/12/91 ✓
437	✓ Jenkins, KJ Hidioglou, M	Comparative metabolism of <sup>75</sup> Se-selenite, <sup>75</sup> Se-selenate, and <sup>75</sup> Se-selenomethionine in bovine erythrocytes. Can. J. Physiol. Pharmacol.: Vol 50-No. 10/72	Nov.4/71	Aug.17/72	Jan.19/73	
438	Jenkins, KJ	Extrusion of selenium from bovine erythrocytes via glutathione. Can. J. Physiol. Pharmacol.	Nov.4/71			cancel cont <sup>n</sup> , MS. was combined with 437 no publication

Cont. No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Rec'd	File rev'd by Director
439 ✓	Aitken, JR Biely, J Nikolaiczuk, N Robblee, AR Summers, JD Barr, WK	Genotype x dietary protein level interactions in egg production stocks.  Poultry Sci. Vol. L1 No.5 1972 1578-1582	Jan.11/72	Aug.31/72	5 Dec. 72	25/1/72 ✓
440 ✓	Sarkar, NK	Ketone body metabolism in chickens. Int. J. Biochem. 3: 111-116. 1972.	Nov.25/71	Feb.8/72	Jun.20/72,	
441 ✓	Fisher, LJ	Response of lactating cows to the intravenous infusion of amino acids. <del>NO Publication</del> Can. J. Animal Sci. 52: 377-384. 1972.	Dec.6/71	Jun.6/72	Aug.29/72,	25/1/72 ✓
442 ✓	Buvanendran, V Merritt, ES	Correlated responses in egg quality traits to selection for early body weight in meat-type chickens. Can. J. Genet. Cytol.14: 447-482. 1972.	Dec.17/71	Jun.7/72	Jan.17/73	
443 ✓	Nitchuk, WM Ainsworth, L	The <u>de novo</u> synthesis of sterols and cholesterol from acetate-1- <sup>14</sup> C by sheep and pig placental and fetal liver slices <u>in vitro</u> . Steroids 19: 587-593. 1972.	Dec.17/71	Dec.20/71	Jun.20/72,	
444 ✓	Ainsworth, L	The metabolism of estrone-6,7 <sup>3</sup> H by sheep fetal liver <u>in vitro</u> . Steroids 19: 595-603. 1972.	Dec.17/71	Dec.20/71	Jun.20/72,	
445 ✓	Heaney, DP Pigden, WJ	Effects of pre-conditioning on voluntary intake assay results using sheep. J. Animal Sci. 35: 619-623. 1972.	Jan.19/72	Mar.28/72	Sept.25/72,	Jan 3/73 ✓
446 ✓	Hidiroglou, M Jenkins, KJ	Le sort du radioselenium administre dans le rumen ou la caillette du mouton. Ann. Biol. Anim. Biochim. Biophys.	Jan.19/72	Jul.10/72	by Hidiroglou	25/1/72 ✓

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447	✓ Jenkins, KJ Hidioglou, M	A Review of Selenium/Vitamin E Responsive Problems in Livestock: A Case For Selenium as a Feed Additive in Canada. Can. J. Animal Sci. 52: 591-620 (Dec. 1972)	Feb.14/72	Nov. 22/72	Feb.2/73	
448	✓ Ainsworth, L	The cleavage of steroid sulfates by sheep and pig fetal liver, fetal kidney and placental preparations <u>in vitro</u> Steroids 19: 741-750. 1972.	Feb.17/72	Feb.17/72	Jun.26/72,	
✓ 449	Jordan, WA Lister, EE Wauthy, JM Comeau, JE	Voluntary roughage intake by non-pregnant and pregnant or lactating beef cows. Can. J. Anim. Sci. 53: 733-738	Feb.25/72	6/12/73	27/2/74	28/10/73 25/1/74 1/74
450	✓ Hidioglou, M Jenkins, KJ Corner, AH	Control of nutritional muscular dystrophy in lambs by vitamin E implantations. Can. J. Anim. Sci. 52: 511-516. 1972.	Mar.22/72	Aug.11/72	Oct.3/72,	20/10/72 1/74
451	✓ Mahadevan, S Malaiyandi, M Erfler, JD Sauer, F	An evaluation of the chemical identity of acylcarnitine esters of hexadecanoic acids. Biochim. Biophys. Acta	Mar.23/72	24-10-72	28-2-73 1/6/73	25/2/72
452	✓ Fisher, LJ Lessard, JR Lodge, GA	Whole crop barley as conserved forage for lactating cows. Can. J. Anim. Sci. 52: 497-504. 1972.	Apr.18/72	Aug.21/72	Oct.3/72,	22/2/71
(x) 453	Belanger, LF Cipera, JD	Production of medullary bone in male chicks by feeding a calcium-deficient diet. <i>NO Publication.</i> Can. J. Phys.	U of O			
(x) 454	Hoffman, I Jenkins, KJ Meranger, JC Pigden, WJ	Muscle and kidney selenium levels in calves and lambs raised in various parts of Canada. <i>NO Publication.</i> Can. J. Animal Sci.	NRC			
455	✓ Hidioglou, M Jenkins, KJ	The effects of phytol and ethanol on the metabolism of radiotocopherol in sheep. Can. J. Anim. Sci. 52: 505-510. 1972	May 16/72	Aug.11/72	Oct.3/72,	25/10/72 ✓

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Cont. No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Rec'd	File rev'd by Director
456	✓ Foster, TS	Evaluation of the possible estrogenic activity of methoxychlor in the chicken by means of feeding trials. Bull. Env. Contam. Toxicol. 9: 234-242.	May 18/72	Dec. 18/73	May 8, /73	
457	✓ Lister, EE Jordan, WA Wauthy, JM Comeau, JE Pieden, WJ	The effect of housing and type of forage on the response of pregnant beef cows to dietary energy intake in winter. Can. J. Anim. Sci. 52: 671-679 (Dec. 1972)	May 23/72	Nov. 22/72	Feb. 5/73	25/2/91 18/1
458	✓ Heaney, DP Bender, F. Lister, EE	A Note On The Use Of Steamed Aspen Poplar In A Finishing Ration For Holstein Steers C J Anim Sci 53: 739-740.	June 22/73	Dec. 5/73	27/2/74	25/2/91 18/1
459	✓ Hidioglou, M Jenkins, KJ	Fate of <sup>14</sup> C-phytol administered orally to sheep. Can. J. Physiol. Pharmacol. 50: 458-462. 1972.	May 17/71	Apr. 13/72	June 1972	NOTE Reprint Has CONTR # 423 printed on it.
460	✓ Fisher, LJ Lister, EE Jordan, WA Brossard, GA Wauthy, JM Comeau, JE Proulx, J	Effect of plane of nutrition, confinement system and forage preservation on supplemental mineral intake and content of minerals in the blood of pregnant beef cows. Can. J. Anim. Sci. 52: 693-702 (Dec. 1972)	June 19/72	Nov. 21/72	Feb. 5/73	25/2/91 18/1
461	✓ Sarkar, NK	Differences between rats and chickens in response to synthetic glucocorticosteroid. J. Steroid Biochem. 4: 163-170	June 20/72	Mar. 2/73	May. 30/73 Rec'd 58 June 18 12 73.	
✓ 462	Spencer, JL Grunder, AA Robertson, A	Titers of precipitins in strains of chickens exposed to Marek's Disease. Avian Pathology 2 17-20	June 26/72 ADRI	By ADRI	Rec'd 15 (by hand)	
463	✓ Hidioglou, M Jenkins, KJ Wauthy, JM Proulx, JE	Changes in plasma and milk tocopherol levels in beef cattle turned out to pasture. Anim. Production, 16: 179-183	July 10/72	Feb. 28/73		Rec'd by Hidioglou 25/2/91 18/1

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464	✓ Friend, DW	Self-selection of feeds and water by Unbred Gilts. J. Animal Science 57, 1137-1141.	July 13/72	May 16, 1973	✓ 5/24	25/1/74 KJF
465	✓ Gowe, R.S.	Long-term selection for egg production in several strains of White Leghorns 1. Performance of selected and control strains including genetic parameters of two control strains <sup>1</sup> .	July 20/72	Nov. 28/72	Apr. 11/73	
466	✓ Aitken, JR Dickerson, GE Gowe, RS	Effect of intake and source of protein on laying performance of seven strains under single and double cage housing. Poultry Sci.	July 25/72	1972	✓	25/1/74 KJF
467	✓ Robertson, HA Smeaton, TC Durnford, R	A method for the extraction, separation and estimation of unconjugated estrone, estradiol-17 $\alpha$ and estradiol-17 $\beta$ in plasma. Steroids: Dec. 1972, p. 651-667.	Aug. 8/72	Sept. 6/72	Feb. 2/73	
468	Friend, DW Cunningham, HM	Nitrogen and free-fatty acid metabolism of gilts during estrus and diestrus. Can. J. Animal Sci. 52: 731-736 (Dec. 1972)	Aug. 15/72	Nov. 21/72.	Feb. 5/73	25/1/74 KJF
469	✓ Lister, EE Fisher, LJ Jordan, WA Wauthy, JM Comeau, JE Proulx, J	Influence of shelter, level of feeding and method of forage conservation on packed cell volume and plasma metabolite levels in beef cattle. Can. J. Animal Sci. 53: 81-88 1973	Aug. 23/72	1973	✓ 1973	25/1/74 KJF
470	✓ Lodge	Improving the nutrient composition of meat producing animals. Man, Food and Nutrition No publication.	1972	Xerox copy of chapter Book ✓	✓	

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Cont. No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Rec'd	File rev'd by Director
471 ✓	Sauer, FD Erfle, JD Fisher, LJ	Propylene glycol and glycerol as a feed additive for lactating dairy cows: An evaluation of blood metabolite parameters. Can. J. Animal Sci.	Sept. 21/72	April 27/73	Aug. 21/73	Oct 31/73
472 ✓	Fisher, LJ Erfle, JD Lodge, GA Sauer, FD	Effect of propylene glycol or glycerol supplementation of the diet of dairy cows on feed intake, milk yield and composition and incidence of ketosis. Can. J. Animal Sci.	Sept. 21/72	May 7/73	21-8-73	25/2/74
473 ✓	Hidioglou, M Jenkins, K.J. Mackay, R.R.	Fatty Acid composition of blood serum and liver in beef calves as influenced by maternal diet and incidence of nutritional muscular dystrophy Can. J. Animal Sci.	Nov. 2/72	26/4/73	Aug. 21/73	25/4/74
474 ✓	Robertson, HA Smeaton, TC	The Concentration of unconjugated oestrone, Oestradiol-17 $\alpha$ and oestradiol-17 $\beta$ in the maternal plasma of the pregnant ewe in relation to the initiation of parturition and lactation <del>Jrnl. of Reproduction and Fertility</del> 461-486 1973	Nov. 2/72	29/8/73	14/3/74	
475 ✓	Lodge, GA Heaney, DP	Composition of weight change in the pregnant ewe Can. J. Animal Sci.	Nov. 2/72	20-2-73	May 2/73	25/2/74
476 ✓	Friend, D.W.	The Influence of Dietary Amino Acids on the Age at Puberty of Yorkshire Gilts. Jrnl. of Animal Science	Nov. 10/72	6-4-73	Dec. /73	25/2/74
477 ✓	Atwal, A.S. Sauer, F.	An In Vitro Study of Control Mechanisms of Gluconeogenesis in Beef Liver The International Journal of Biochemistry	Nov. 10/72	22-5-73	Dec. 3/73	22-5-73

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478 ✓	Lodge, G.A. Lister, E.E.	Effects of Increasing the Energy Value of a Whole Milk Diet for Calves. 1. Nutrient Digestibility and Nitrogen Retention.  Cdn. Jrnl. of Animal Science	16 Nov. 72	May 11/73	21-8-73	25/2/74 HJ
479 ✓	Lister, E.E. Lodge, G.A.	Effects of Increasing the Energy Value of a Whole Milk Diet for Calves. 2. Growth, Feed Utilization and Health  Cdn. Jrnl. of Animal Science	16 Nov. 72	May 4/73	Aug. 21/73	1/1/74 2/2/74 HJ
480 ✓	Robertson, H.A.	Changes in the Concentration of Un-conjugated Oestrone, Oestradiol - 17a and Oestradiol - 17B in the Maternal Plasma of the Pregnant Cow in Relation to the Initiation of Parturition and Lactation.  Jrnl. of Reproduction and Fertility	28 Nov. 72	Oct. 9/73	May 4/74	
481 ✓	Thorlacius, S.O. Lodge, G.A.	The Absorption of Steam-Volatile Fatty Acids from the Rumen of the Cow as Influenced by Diet, Buffers and pH	29 Nov. 72	May 17/73	review by Lodge ✓	25/2/74 HJ
482 ✓	Hollands, K.G. Merritt, E.S.	Blood Pressure and Its Genetic Variation and Co-Variation with Certain Economic Traits in Egg Type Chickens  Poultry Science	12 Dec. 72	1973	1973	25/2/74 HJ
483 ✓	Hidioglou, M. Jenkins, K.J.	Influence de la Defaunation sur L'Utilisation de la Selenomethionine Chez le Mouton.  Annales de Biologie Animale Biochimie Biophysique.	15 Dec. 72	Oct. 9/73	June 24, 1974	

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CIPERA, J.D.

AVIDIN: A Possible Role in the  
Initiation of Egg-Shell Formati.

Journal of Nature - New Biology

Editor

1-11-74  
November 1, 1974.

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485 ✓ Erfle, J. D.

Acetyl-CoA and Propionyl-CoA and  
Carboxylation by Mycobacterium phlei.  
Partial purification and some  
properties of the enzyme.

8 Jan. 73 ✓

June 22/73

Sept. 24/73

June 22/73 Sept 24/73

Assigned  
486 ✓ Lodge, G. A.

Energy and Nutrient Requirements for Preg-  
nancy.  
Handbuch der Tierernahrung, Band II  
P. 157-189.

copy!  
p. 157-189

26-1-73

487 ✓ Hidiroglou, M.  
Jenkins, K. J.

Absorption of <sup>75</sup>Se-Selenomethionine  
from the rumen of Sheep

31 Jan. 73

26/4/73

21-8-73

Cdn. Jnl. of Animal Science

488 ✓ Sarkar, N. K.

Characteristics of chicken liver  
post-mitochondrial preparation after  
gel filtration in cell-free amino  
acid incorporating systems.

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20-2-73

29/6/73

5/3/74

International Journal of Biochemistry

489 ✓ Jenkins, K.J.  
Winter, K.A.

Effect of Selenium supplementation of  
naturally high selenium swine rations  
of tissue levels of the element

Apr. 13/73

Aug 14/73

16/1/74

Aug. 14/73

Can. Journ. of Anim. Sci.

16 Mar. 73.

Assigned  
490 C. G. Hickman

Symposium: Age Adjustment  
Herd-Level Methods for Age Adjustment  
of Milk Yields

19-3-73

25/7-73

Journal of Dairy Science



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491 ✓	Hidioglou, M. Jenkins, K.J.	Fate of <sup>75</sup> Se-SELENOMETHIONINE IN THE GASTROINTESTINAL TRACT OF SHEEP	April 4, 1973	Aug. 24/73	16/1/74	
492 ✓	Lodge, G.A. Heaney, D.P.	The Energy Cost of Pregnancy In Single- & Twin-Bearing Ewes	April 6, 1973	Aug. 27/73	16/1/74	Aug. 31/73 25/2/74 16/1
493 ✓	Heaney, D.P.	Effects of the Degree Of Selective Feeding Allowed On Forage Voluntary Intake and Digestibility Assay Results Using Sheep	April 6, 1973	Aug. 21/73	16/1/74	27/2/74 1/11
494 ✓	Spencer, J.L. Gavora, J. Grunder, A.A. Robertson, A. Speckmann, G.W.	Immunization Against Marek's Disease: Influence of Strain Of Chickens, Maternal Antibody and Type of Vaccine	(PAPER DONE AT ANOTHER INSTITUTE) By ADRI	April 1974		27/2/74 1/11
495	Grunder, A.A. ✓ Spencer, J.L. Robertson, A. Speckmann, G.W. Gowe, R.S.	Resistance to Marek's Disease Observed Among Sire Families and Inbred Lines	June 12, 1973	Feb 5, 1974	July 1/24	
496 ✓	Kramer, J.K.G. Mahadevan, S. Hunt, J.R. Sauer, F.D. Corner, A.H. Charlton, K.M.	Growth rate, lipid composition, metabolism and myocardial lesions of rats fed rapeseed oils ( <u>Brassica campestris</u> var. Arlo, Echo and Span, and <u>B. napus</u> var. Oro)"	May 28, 1973	Oct. 23/73	June 23/74	Oct. 18/1973
497 ✓	Kramer, J.K.G.	Changes in Liver Lipid Composition of Male Rats Fed Rapeseed Oil Diets  Lipids Journal	June 15, 1973	Oct. 25/73	16/1/74	24/1



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Cont. No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Received	File Rec'd by Director
498 ✓	Friend, DW Grunder, AA	Serum Esterase Activity Of Yorkshire Gilts At Puberty  Canadian Journal of An.Sc.	June 18/73	Dec 5/73	27/2/74	as/af 1/8
499 ✓	Foster, TS	The Physiological and Biological Effects of Pesticide Residues In Poultry  Residue Reviews 51.69-131	June 22/73	15/10/73 + complete Vol # 51	19/11/73 and w. Jones and July 4/74	
500 ✓	Sarkar, NK	The effects of changing K and Mg concentrations during isolation of chicken liver post-mitochondrial supernates on their amino acid incorporating activities and polysome content  International Jrl. of Biochemistry	June 27/73	7-3-74	14-2-75	
501 ✓	Sauer, F. Mahadevan S.	Metabolite Synthesis by Rat Liver Cells and Rat Liver Mitochondria	June 29/73	Oct. 22/73	14/2/74	
502 ✓	Gavora, J. Grunder, A. Spencer, J. Gowe, R. Robertson, A. Speckmann, G.W.	An assessment of effects of vaccination on genetic resistance to Marek's disease.	June 29,73	14/2/74	24-9-74.	as/af 1/8
503 ✓	Lee, A.J.	Month, Year and Herd Effects On Age Adjustment of First Lactation Milk Yield  Journal of Dairy Science	July 3, 1973	Jan.22/74	Apr.16/74	as/af 1/8
504 ✓	Peters, H.F. Heaney, D.P.	Factors Influencing the Growth of lambs <del>Interaction of Genotype and Environment in Growth Rates of Lambs On Two Systems of Rearing</del> Reared Artificially with their Dams	July 3, 1973	April 19, 1974	July 1974.	as/af 1/8

Cont. No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Received	File Rec'd by Director
505 ✓	Jenkins Hidioglou Wauthy Proulx	Prevention of Nutritional Muscular Dystrophy In Calves And Lambs by Selenium and Vitamin E Additions to the maternal mineral supplement.  Canadian Journal of Animal Science	July 9, 1973	27/march 74	26-8-74	April 11, 1974
506 ✓	Walton, P. Robertson, H.A.	The REproductive Per. of Finnish Landrace Ewes Mated Twice-Yearly Canadian Journal of Animal Science	August 8/73	March 27/74	17-7-74	25/2/74 ST
507 ✓	Grunder, A.	Mitochondrial Heterosis  Journal of Poultry Science	August 14/73	Open 9/74	March 27/74	
508 ✓	Gavora, J. Grunder, A. Spencer, J. Gowe, R. Robertson, A. Speckmann, G.	Resistance to Marek's Disease: Heritability and Genetic Correlations With Production Traits in Chickens  Institut fur Krankheiten des Haus - und Wildgeflugels der Univ. München World Congress	August 14/73	✓	1974	25/2/74 ST
509 >	Kelly, P. Robertson, H. Friesen, G.	Temporal Pattern of Placental Lactogen and Progesterone Secretion in Sheep  Nature <i>no publication</i>	August 14/73 (Snt. by Mr. Kelly)			25/2/74 ST
510 ✓	Spencer, J. Gavora, J. Grunder, A. Robertson, A.	Studies on the Development of JM-V Tumors (Marek's Disease) In Non-Vaccinated or Vaccinated Chickens.  5th World Congress - WVPA	August 16/73 by ADRI	By ADRI	1974	25/2/74 ST
511 ✓	Sarkar, N.K.	Alanine and aspartate aminotransferase activities in serum & various sub-cellular fractions from the livers of different species.  Inter. Jrn. of Biochemistry	Aug. 27/73	June 24, 1974.	Nov. 1974.	

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Cont. No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Received	File Rec'd by Director
512	D.J. Buckley W.G. Hunsaker	"A telemetry system for automatically recording copulation in sheep"  Journal for Medical & Biological Eng.	July/73	By ERS.	Rec'd from ERS ✓	AT
513	Merritt, E.S.	Development of Commercial Goose Production (by E.S. Merritt) CHAPTER OF BOOK Metabolism of Selenomethionine in the Rumen Canadian Jour. of An. Sci.	Jan. 16, 1974	Aug 27/74	19-12-74. XEROX COPIES OF CHAPTER OF BOOK ✓	June 14/74
515 ✓	Fisher, L.J. Lessard, J.R. Lodge, G.A.	Whole Crop Oat Silage as Conserved Forage for Lactating Cows  Canadian Journal of Animal Science	Oct. 18, 1973	27-5-74.	23-9-74.	25/4 AT
516 ✓	Peters, H.F. Heaney, D.P.	Heterosis, Breed of Sire and Breed of Dam Effects in Growth Rates of Lambs Reared Artificially or with their Dams  Canadian Journal of Animal Science.	Oct. 26/73	April 19, 1974	July 1974	25/4 AT
517 ✓	Erfle, J.D. Sauer, F.D. Fisher, L.J.	The Interrelationship Between Milk Carnitine and Blood and Milk Components and the Tissue Carnitine Levels in Normal & Ketosis Cows.  Journal of Dairy Science	Nov. 6, 1973	April 10, 1974.	July 1974 / Aug. 30, 1974	
518 ✓	Nagai, J.	Sources of Variation in Prewaning Weight of Mice  Laboratory Animal Science, Cleveland	Nov. 6, 1973	July 3, 1975	25-9-75	25/4 AT
519	L.J. Fisher (2) P.E. Donnelly J.B. Hutton	Relationships between levels of Feeding and certain Blood Metabolites in Dairy Cows in	Nov. 20/73	1974 ✓	Rec'd 1974	

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Pub. No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Received	File Rec'd by Director
520	Mukhoty, H. Peters, H.F.	Influence of Breed and Sex on Muscle Weight Distribution of Sheep <i>NO Publication</i>	7-12-73			
		→ Animal Production - ARC Animal Breeding Research Organization <i>Interrelationships between blood metabolites</i>				
521 ✓	Erfle, J.D. Fisher, L.J. Sauer, F.D.	An Evaluation of Blood Metabolite Levels as Criteria of Energy Status of Cows in Early Lactation <i>Interrelationships between blood metabolites</i> Can. J. Anim. Sci.	17-12-73	Aug. 21/74	23-12-74.	Aug. 30, 1974.
522 ✓	Hidioglou, M. Jenkins, K.J.	Le sort du radiocophérol administré dans l'appareil gastrique ou dans le	17-12-73	15-5-74.	14-2-74	March 20/74.
Paper submitted to Can. Jour. Biochem. on January 1/74 was not accepted. It is now being submitted to the Life Sciences using the same contribution number.						
523	Sauer Erfle	Plasma Membrane Transport - The Rate Limiting Step In Glucose Synthesis From Succinate By Rat Liver? <i>NO publication</i>	Mar. 7/74			
		<i>Paper not accepted by Life Sciences. Cancel Cont. #</i>				
524	Nagai, J., Hickman, C.G.	Genetic Effects of age on performance in random-bred mice . Journ. of Genetics.	10-1-74	✓		
525 ✓	Robertson, H.A. King, G.J.	A two injection schedule with prostaglandin F <sub>2α</sub> for the regulation of the of the ovulatory cycle of cattle. Theriogenology	17-1-74	March 13/74	June 21, 1974.	
526 ✓	Robertson, H. A. G.J. King	Plasma concentrations of progesterone, oestrone, oestradiol-17β and of oestrone sulphate in the pig at implantation, during pregnancy and at parturition.	28-1-74	June 4/74	Mar. 12/75	

25/4/74

manuscript not accepted - to be rewritten, keep contrib. #

23-12-74. Aug. 30, 1974.

15-5-74. 14-2-74 March 20/74.

Paper submitted to Can. Jour. Biochem. on January 1/74 was not accepted. It is now being submitted to the Life Sciences using the same contribution number.

Cancelled Cont. #

Mar. 7/74  
Paper not accepted by Life Sciences. Cancel Cont. #

70 received by J. Nagai 25/4/74

June 21, 1974. 25/4/74

June 4/74 Mar. 12/75 25/4/74

Cont. No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Received	File Rec'd by Director
527	Nagai, J., Hickman, C.G. Barr, G.R.	Selection for single and multiple traits in mice. <i>no publication</i>	28-1-74	✓	Ma 19	
		World Congr. on Genetics to An. Prod. Madrid, Oct. 7-11, '74				
528	Turnbull, J.E. Hickman, C.G.	Ventilation of Dairy Barns with Porous Ceiling Inlet Systems	By ERS ✓	By ERS		25/10/74
		Can. Agric. Eng. Jour.				
529 ✓	Tsang, C.P.W.	Changes in Plasma Levels of Estrone Sulfate and Estrone in the Pregnant Ewe Around Parturition.	31-1-74	31-1-74.	25-6-74.	25/10/74
		STEROIDS				
530	Reid, W.S., Buckley, D.J. Hunt, J.R. & Price, K.R.	A Digital Instrument for Egg Shape Index Measurement	By ERS ✓	ordered by ERS	Rec'd from ERS	
		Can. J. An. Sci.				
531 ✓	Vandenheuvel, F.A.	GLC Studies of reactions and structural relationships of steroids - Part 1. Positions 3, 11, and 17 in the Androstane Series	15-2-74	2-7-74.	15-10-74.	Sept. 22/74
		Journ. of Chromatography, Amsterdam.				
532 ✓	Mahadevan, S & F. Sauer	Effect of Trypsin, Phospholipases and Membrane Impermeable Reagents on the Uptake of Palmitic Acid by Isolated Rat Liver Cells	18-2-74	17-7-74.	8-11-74.	June 3/74 25/10/74
		Archives of Biochemistry & Biophysics				
533 ✓	Atwal, A.S. and Sauer, F.	A study of enzymes synthesizing oxaloacetate in rumen bacteria	27-2-74	4-12-74.	17-2-75.	
		Can. J. of An. Sci.				

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No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Received	File Rec'd by Director
534	✓ Gavora Lloyd Spencer Grunder Robertson, A. Speckmann	Genetic Resistance to Marek's Disease(MD): Response of Strains and Inbred Lines to Challenge With JM-V tumor Cells Or the BC-1 Isolate of MD Virus  XVth World's Poultry Congress August 11-16, 1974, N. Orleans	Sent to Secretary of the Can. Br. of WPSA.  March, <sup>12</sup> 1974	23-8-74.	18-11-74.	25/1/74 18
535	Nagai Hickman Barr	Selection Index Based on the Nursing Ability of the Mother and the Mature Weight of the offspring in Mice.  June 27, 1974		29-10-75 by Nagai	by Genetics	25/1/74 18
536	✓ Gowe, Barr Peters	Journal of Animal Science  A Multi-Disciplinary Approach to the Development of Intensive Animal Systems for Canada  Animal Production Meeting - London/74	1	9- <del>12</del> -74	10-2-75.	
537	✓ Friend	Effect on the performance of pigs from birth to market weight of adding fat to the lactation diet of their dams.  Journal of Animal Science (U S A )	April 10, 1974.	5-7-74	17-2-75.	25/1/74 18
538	Hickman	Future research approaches on traits other than yield <i>NO Publication</i>  Journal of Dairy Science	April 16/74			25/1/74 18
539	✓ Lodge, Fisher, Lessard	Influence of Prepartum Feed Intake on the Performance of Cows Fed ad Libitum During Lactation  <i>Journal of Dairy Science</i>	April 17, 1974.	6-2-75.	July 1975	25/1/74 18

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Authors	Title	Sent to Editor	Reprints Ordered	Reprints Received	File Rec'd by Director
540 ✓	Hidiroglou Jenkins Repartition Tissulaire de la Radioactivité Chez le Mouton Administre avec de la Se - Selenomethionine <i>Annales de Biologie Animale Biochimie Biophysique</i>	May 14, 1974	Sept. 16/74	23-6-75	Aug. 30, 1974
541 ✓	Grunder Kristjansson Genetic Control of serum esterases in day-old pigs <i>No Publication</i>  Animal Blood Groups & Biochemical Genetics	May 14, 1974	25-9-74	7/3/75	Sept. 30 <sup>2/16</sup> / 75
542 ✓	Hidiroglou Jenkins Teneur en Selenium du Lait des Vaches dans le Nord Ontario <i>Annales de Zootechnie</i>	June 18, 1974.	27-9-74	Oct. 2/75	Sept. 18/74
543 ✓	Sibbald Price Variation in the Metabolizable Engery Value of Diets and Djetary Components Fed to Adult Roosters  Poultry Science	June 26, 1974.	19-11-74.	4-7-75.	<i>2/17/75</i>
544 ✓	Longnecker Gavora et al <del>In vivo Assay for M.D. Virus Response of the Chicken Embryo to the Herpesvirus of Marek's Disease and Turkey Herpesvirus</del> <i>"Virology" Infection &amp; Immunity</i>	Buy Longnecker	Buy Longnecker	1976	<i>11/23/74</i>
545 ✓	Larkin, B.S. Turnbull, J.E. Gowe, R.S. Thermosiphon Heat Exchanger for use in Animal Shelters	July 7, 1974	Buy ERS	Rec'd by ERS 10/21/74	
546 ✓	Vandenheuvel GLC Studies of Reactions and Structural Relationships of Steroids Part II. Positions 3, 11, and 20 in the Pregnane series*.  <i>J. Chromatography</i>	July 9, 1974.	3-12-74.	<i>received</i>	Sept. 22/70



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Reviews  
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Contr. No. Authors Title Sent to Editor Reprints Ordered Reprints Received

547	✓	D.W. FRIEND A.H. CORNER J.K. KRAMER K.M. CHARLTON F. GILKA F.D. SAUER	Growth, Cardiopathology and Cardiac Fatty Acids of Swine Fed Diets Containing Low Erucic Acid Rapeseed Oil  Canadian Journal of Animal Science.	Aug. 8/74	5-2-75	24-4-75	5/11/74 5/11/74
548	✓	J.S. GAVORA E.S. MERRITT A.A. GRUNDER R.S. GOWE	Effects of strain of chickens and vaccination with turkey herpesvirus on Marek's disease and Lymphoid Leukosis in breeding stocks.	Aug. 23/74	24-4-75	Sept 12/75	5/11/74 5/11/74
549	✓	I.R. SIBBALD R.M. HAMILTON	Urea tolerance in chicks.  Canadian Journal of Animal Science.	Aug. 26/74	11-2-75	24-4-75	5/11/74 5/11/74
550	✓	N.K. SARKAR	'Protein synthesis in chicken livers and muscles and its dependence on RNA concentrations of the tissues.'  Journal of Biochemistry	Aug. 27/74	18-3-75	5-8-75	
551	✓	VOISEY, P HAMILTON, R.	An examination of Eggshell behaviour under compression in relation to deformation measurements.  British Poultry Science (sent by ERS)	By FRS	By FRS	1975	
552		MAHADEVAN KRAMER SAUER	Fatty Acid composition of the Lipids of Isolated liver plasma membranes of rats fed rapeseed oil. NO Publication  Biochemica et Biophysica Acta (given to another journal)	Aug. 30/74			not to be published cancel entry #
553	✓	VANDENHEUVEL	GLL studies of reactions and structural relationships of Steroids Part III - II - Hydroxysteroids of the Androstane and Pregnane series. Journal of Chromatography	Aug. 30/74	5-2-75	24-4-75	Sept. 22/75
554	✓	HIDIROGLOU SPURR	Effects of diet or season on the trace element composition of hair from Short-horn cattle.  Canadian Journal of Animal Science.	Sept. 13/74	7-2-75	25-4-75	

Contr. No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Received	File Reviewed by Director
555 ✓	DOW-WALSH MAHADEVAN KRAMER SAUER	Failure of Dietary Erucic Acid to Impair Oxidative Capacity ATP Production of Rat Heart Mitochondria Isolated Under Controlled Conditions	Sept. 17/74	21-5-75	Sept. 12/75	
556 ✓	HUNSAKER LALONDE	"A Photo-electric detector for monitoring behavioural activities in animals"  Submitted to Laboratory Practice	Jan. 27/75	ART xerox not a level 10 cent copy sent copy received	ART xerox	Sept. 22/75
557 ✓	GRUNDER GAVORA SPENCER TURNBULL	"Prevention of Marek's disease using a filtered air positive pressure house"  Poultry Science	Oct, 31/74	9-4-75	Sept. 25/75	1st 2/2/75
558 ✓	SIBBALD	"A Comparison of Metabolizable Energy Values of Cereal Grains Measured with Poultry in Three Laboratories"  <i>Can. Journal of Animal Science</i>	Nov. 21, 1974	28-4-75	4-7-75	1st 2/2/75
559 ✓	KRAMER CORNER HULAN MAHADEVAN SAUER	Brassica Campestris var. Span. I. Fractionation by Molecular Distillation and Adsorption Chromatography. Revised & sent 28-4-75 along with manuscript No. 575.  "Lipids"	Nov. 25/74	8-7-75	Dec 1/75	Sept. 23/75
560 ✓	HIDIROGLOU HOFFMAN	"Formes de sélénium urinaire chez le mouton"  Ann. de Biol. Anim. Biochim Biophys	Dec. 4/74	13-6-75	12-2-76	
561 ✓	HIDIROGLOU JENKINS	"Effect of selenium and Vitamin E, and copper administrations on weight gains of beef cattle raised in a selenium deficient area"  The Canadian Journal of Animal Science	Jan. 4/75	20/6/75	2 Oct. 1975	
562 ✓	SAUER ERFLE MAHADEVAN	Amino Acid Biosynthesis in Mixed Rumens Cultures  The Biochemical Journal	24-1-75	11-7-75	Dec. 1/75	

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563 ✓	AINSWORTH BAKER ARMSTRONG	Pre-Ovulatory Changes in Follicular Fluid Prostaglandin F Levels in Swine Prostaglandins	7-2-75	June 18/75	Sept., 1975	Nov. 21/75 25/2/76 28/2
564 ✓	FRIEND, D.W. GILKA, F. CORNER, A.H.	Growth, Carcass Quality and Cardio-Pathology of Boars and Gilts Fed Diets Containing Rapeseed and Soybean Oils Can. Journal of Animal Science	18-2-75	Oct. 20/75	18-3-76	-24/4 28/4
565 x	CHEUNG PARKER HICKMAN	The efficiency of a repeat mating design in a selection experiment No publication	sent to editor by other dept.	as per Dr. Lister 20-2-75	Letter to Lister 20-2-75	21/11/75
566 ✓	SIBBALD, I.R.	The effect of Level of Feed Intake on Metabolizable Energy Values Measured with Adult Roosters Poultry Science	10-3-75	8-8-75	20-7-76	28/2/76 28/2
567 ✓	VOISEY, P.W. HAMILTON, R.M.G.	Factors affecting the Non-Destructive and Destructive methods of measuring eggshell strength by the Quasi Static Compression Test. Title changed British Poultry Science	12-3-75 sent to editor by ERS. Contr #482	By ERS	14-7-76	
568 ✓	FISHER, L.J. FOWLER, D.B.	The Predicted Forage Value of Whole Plant Cereals Canadian Journal of Plant Sciences	20-3-75	Sept. 29/75	Dec. 19/75	
569 ✓	LISTER, E.E. EMMONS, D.B.	Quality of Protein for Calf Milk-Replacers 11. Effect of Heat Treatment of Skim Milk Powder and Fat Levels on Calf Growth, Feed Intake and Nitrogen Balance No Publication Canadian Journal of Animal Science	20-3-75	June 9-76	Sept. 8-76	

Contr. No.	Author	Title	Sent to Editor	Reprints Ordered	Reprints Received	File Reviewed by Director
570 ✓	AINSWORTH NITCHUK	Biotransformation of Pregnenolone - 7 $\alpha$ - <sup>3</sup> H and Dehydroepiandrosterone - 7 $\alpha$ - <sup>3</sup> H by Porcine Fetal and Maternal Adrenal Homogenate Preparations  Submitted to Journal 'Steroids'	24-3-75	28-4-75	Sept-25/75	Oct. 1, 1975 25/4/75 AT
571 ✓	ERFLE, J.D.	Hydroxylation of $\gamma$ -Butyrobetaine by Rat and Ovine Tissues  Submitted to Journal of Biochemical and Biophysical Research Communications	24-3-75	9-4-75	23-6-75	
572 ✓	HULAN HUNSAKER KRAMER MAHADEVAN CORNER GILKA	The Development of Dermal Lesions and Alopecia in Male Rats Fed Rapeseed Oil  Submitted to the Canadian Journal of Physiology and Pharmacology T.A. 10	27-3-75	28-11-75	22-4-76	
573 ✓	HIDIROGLOU ZARKADAS	The effects of Selenium on the Metabolism of Methionine in Sheep  Submitted to the Canadian Journal of Physiology and Pharmacology	1-4-75	3/5/76	Aug 23/76	April 6/76 25/4/76 AT
574 ✓	HIDIROGLOU MITCHELL JENKINS	Observations on Reproductive Performance in Selenium-Deficient Ewes  Canadian Journal of Animal Science	13-6-75.	17 Oct 75 (sent by ADRI) same order	18-3-76	Sept-23/75 25/7/75
575 ✓	KRAMER CORNER HULAN MAHADEVAN SAUER	Brassica campestris var. Span II. Cardiopathogenicity of Fractions Isolated from Span Rapeseed Oil when Fed to Male Rats.  Lipids	28-4-75	21-7-75	Dec/75/75	Sept-23/75

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Contr. No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Received	File Reviewed by Director
576 ✓	HEANEY LODGE	Body Composition and Energy Metabolism During Late Pregnancy in the Ad Libitum Fed Ewe  Canadian Journal of Animal Science	7-5-75.	14 Oct /75	18-3-76	7/4/76 25/4/76
577 ✓	SIBBALD	A bioassay for True Metabolizable Energy in Feedingstuffs  Poultry Science	12-5-75.	Oct. 20-75	20-7-76	25/4/76
578 ✓	LODGE HEANEY	Influence of Feed Allowance During Pregnancy on Reproductive Performance of Ewes and Growth of Suckled and Artificially Reared Lambs  Canadian Journal of Animal Science	12-5-75.	21-10-75	18-3-76	7-4-76 25/4/76
579 ✓	KRAMER FRIEND HULAN	Lipid changes in tissues of young boars fed rapeseed oil or corn oil  Nutrition Metabolism	21-5-75.	31-3-76	26-10-76	8/4/76
580 ✓	TSANG HACKETT TURNER	Plasma Levels of Estrone Sulfate, Estrone and Estradiol 17B In the Cow Around Parturition  (Rejected from Steroids and submitted to CJAS)	<del>23-5-75</del> 22-7-75	<del>23-5-75</del> 21/10/75	18-3-76.	25/4/76
581 ✓	Hulan Kramer Mahadevan Sauer Corner	Effect of Cold Stress on Rapeseed Oil Fed Rats  Lipids	2-6-75	5/12/75	22-3-76	April 8/76

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582 ✓	Vandenhoeve	Gas-Liquid Chromatographic Studies of Reactions and Structural Relationships of Steroids. Part IV  Journal of Chromatography	June 19, 1975	Oct. 8/75	Jan. 20/76	Feb. 2/76
583 ✓	Hidioglou	<sup>54</sup> Mn uptake by the ovaries and reproductive tract of cycling and anestrus ewes.  Journal of Physiology and Pharmacology	June 19/75	Aug. 20/75	Jan. 20/76	Sept. 22/75 25/75
584 ✓	Mahadevan Sauer Erfle	Studies on Bovine Ruminal Bacterial Urease Mar 16  Journal of Animal Science	July 14/75	Dec. 10/75	✓	Oct. 7/75 25/75
585 ✓	Hulan Kramer Mahadevan Sauer Corner	The Relationship Between Erucic Acid and Myocardial Changes in Male Rats  "Lipids"	July 14/75	Dec. 1/75	March 18/76	5/4/76
586 ✓	Friend	Nutritional Effects on Age at Puberty and Plasma Amino Acid Level in Yorkshire Gilts and on Chemical Composition, Nucleic Acid, Fatty Acid and Hydroxyproline Contents of the Uterus  Journal of Animal Science	July 1/75	Feb. 17/76	Oct. 7/76	25/76 11/76
587 ✓	Chan, Robertson, Friesen	Purification of Ovine Placental Lactogen  Endocrinology	Aug. 12, 1975	to Chan	May 5/76	June 10/76 25/76 11/76
588 ✓	Sibbald Price	Relationships between Metabolizable Energy Values for Poultry & some physical & Chemical Data Describing Canadian Wheats, Oats and Barleys	August 12 75	4/5/76 (S.R.S. to get)	Sept. 8-76	25/76 11/76

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Contr. No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Received	file Reviewed by Director
589	Sibbald	The effect of Cold Pelleting on the True Metabolizable Energy Values of Cereal Grains Fed to Adult Roosters And a Comparison of Observed With Predicted Metabolizable Energy Values <sup>1</sup> <i>Poultry Science</i>	14-8-75.	?	?	25/4/76
590 ✓	Shearer, Cloutier Hidiroglou	Determination of Nanogram amount of manganese in blood and animal tissue by Atomic Absorption Spectrometry	(Sent to ERS I)	<del>17-9-76</del> 18-11-76 (by C.B.R.I.)	6.5 77 from C.B.R.I.	17-9-76 25/4/76
591 ✓	Foster Khan	Metabolism of Atrazine by the Chicken <i>Journal of Agricultural &amp; Food Chemistry</i>	3-10-75	Feb. 23/76	June 29/76	June 8/76 25/4/76
592 X	Merritt Buvanendran	Response to Long Term Selection For Early Body Weight In Chickens <i>Can. J. Anim. Sci.</i> <i>Publication</i>	1975			
593	Voisey Hamilton	Ultrasonic Measurement of Eggshell Thickness  <i>Poultry Science</i>	Sent to ERS Oct. 1, 1975	?	?	25/4/76
594 ✓	King Hurnik Robertson	Ovarian Function and Estrus in Dairy Cows During Early Lactation <i>Journal of Animal Science</i>	Sent by King	By Dr Hurnik	April 28/76	June 10/76 25/4/76
595 ✓	Hidiroglou Zarkadas	Methionine Metabolism in the Digestive Tract of Sheep	16-10-75.	9-11-76	27.1.77.	Sept. 28/76 25/4/76
596 ✓	Bush Sauer	Enzymes of 2-Oxo-Acid Degradation and Biosynthesis in Cell Free Extracts of Mixed Rumen Microorganisms	Oct. 20, 1975	21.5.76	9-30-76	May 4/76
597	Morris Hurnik, King Robertson	A Cost-Benefit Analysis For A Monitoring System to Detect Oestrus in Dairy Cows  <i>Canadian Journal of Animal Science</i>	by Morris			25/4/76

Contr. No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Received	File Reviewed by Director
599 ✓	Spencer Gavora Hare Grunder Robertson Speckmann	Studies of Genetic Resistance and on Vaccination - Induced Resistance of Chickens to Lymphoid Tumor Transplants <del>(1977)</del> 1. Marek's Disease Tumor Transplants Avian Diseases	Sent by A.D.R.I. Returned to Gavora Oct. 20	by ADRI March 12/76	June 21/76	Sept 2/77 Feb 78 2/2/76
600 ✓	Spencer Gavora Grunder Robertson Speckmann	Studies on Genetic Resistance and on Vaccination-Induced Resistance of Chickens to Lymphoid Tumor Transplants 2. Transmissible Lymphoid Tumor of Olson Avian Diseases	Sent by A.D.R.I. Returned to Gavora Oct. 20, 1975	by ADRI March 12/76	June 21/76	Sept 2/77 Feb 78
601 ✓	Fisher Walsh	The substitution of Rapeseed Meal for Soybean Meal as a source of protein for lactating cows Can. J. Animal Science	Oct. 21/75	June 7/76	Sept. 8-76	
602 ✓	Tsang	Metabolism of Estrone-4 <sup>14</sup> C by Sheep Erythrocytes Can. Journal of Biochemistry	Oct. 22/75	7/5/76	18/8/76	28 3.77 2/2/76
603 ✓	Voisey Hunt	A comparison of several shell characteristics with impact resistance Can. J. Animal Science	by Voisey	by FRS	9-9-76 from FRS	2/2/76
604 ✓	Sibbald	The true metabolizable Energy Value of Several Feedingstuffs Measured With Roosters, Laying Hens, Turkeys and Broiler Hens Poultry Science	November 21/75	2/4/76	22/11/76	2/2/76
605 ✓	Hidiroglou Shearer	A note on the concentration of manganese in the tissues of cycling and anestrous ewes	Nov. 21/75	June 8/76	Sept. 8-76	March 10, 1976 2/2/76





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Contr. No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Received	File Reviewed by Director
606 ✓	Cipera	Effect of Oviposition Time and Storage Conditions on the Specific Gravities of Eggs <u>Poultry Science</u>	Dec. 8/75	✓	1976	
607 ✓	Emmons Lister	Quality of Protein for Calf Milk-Replacers. I. Factors Affecting In Vitro Curd Formation by Chymosin (Rennin) from Reconstituted Skim Milk Powder (CAN. J. ANIM. SCI.)	March 20/75	by FRI	Sept. 9-76	
608 ✓	Emmons Lister Campbell	Quality of Protein for Calf Milk-Replacers. III. Chymosin (Rennin) Coagulation and Undenatured Whey Protein Nitrogen Content of Skim Milk Powders and Commercial Milk Replacers (CAN. J. ANIM. SCI.)	March 20/75	by FRI	Sept. 9/76	
609 ✓	Emmons Lister Jones	Quality of Protein for Calf Milk-Replacers IV. Chymosin (Rennin) Coagulation of Reconstituted Skim Milk Powder for Milk-Replacers Containing Added Proteins Fat, Calcium, Phosphate and Citrate. (CAN. J. ANIM. SCI.)	March 20/75	by FRI	Sept. 9/76	
610 ✓	Bakker Nagai Eisen	Average Genetic & Heterotic Effects On Growth in mice selected for large six-week body weight or rapid postweaning gain  J. Anim. Sci. (Submitted by N.C.S.U)		Wagon Print 200 7/2/77	7/2/77	
611 ✓	Friend Kramer Corner	Growth & Cardiopathology in Board Fed Rapeseed Oil  Canadian Journal of Animal Science	Jan. 6, 1976	June 8/76	Sept. 8-76	
612 ✓	Hulan Thompson Kramer Sauer Corner	<del>On the design of Experiments to Study Myocardial Necrosis in Rats Fed High Fat Diets</del> An evaluation of the incidence of lipidosis in rats fed high fat diets J. J. Food Science	Jan. 6, 1976 May 4/76	Doc. 7/76 100 to go to S	March 21-77 100 sent to Dr. Thompson	May 4/76

24/1/76

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24/1/77

Contr. No.	Authors	Title	File Reviewed
613 ✓	Sibbald Cave	The responses of chicks to high levels of dietary sulphates  Poultry Science	
614 ✓	Hidiroglou Wauthy Proulx	Activité vitaminique E des fourrages conservés et incidence de la myopathie de ve Annales De Zootechnie	
615 ✓	Khan Foster	Residues of Atrazine (2-Chloro-4-Ethylamino-6-Isopropylamino-s-Triazine) and its Metabolites in Chicken Tissues  J. Agricultural & Food Chemistry	
616 x	Reid Hickman	Measurement of Milking Rate in the Parlour by Photocell or Conductivity Level Control and in the Tie Barn By Photocell with "True Test" Meter and Interval Timer  Can. J. of Animal Science	
617 ✓	Sibbald Price	True Metabolizable Energy Values For Poultry of Canadian Barleys Measured by Bioassay and Predicted From Physical and Chemical Data  Can. J. Animal Science	
618 ✓	Hunsaker Buckley Lalonde	A system for studying biorhythms in domestic sheep 'International Journal of Chronobiology	
619	Sibbald	The effect of the duration of starvation of the assay bird on true metabolizable energy values  Poultry Science	
620 ✓	Nagai Bakker Eisen	Partitioning average and heterotic components of direct & maternal genetic effects on growth in mice using crossfostering techniques  by Eisen	

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Count II 616

May 23/79

Dlegar

NO Publication

E.R.S.

Feb. 3/1976

Stud. Res. No. 100 reprints 19-11-76

24

Feb. 6, 1976

Received 1977

Noted Feb 78

Feb. 9, 1976

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by Eisen

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9/2/77

Rec'd 215

File Reviewed

Bill Leung reviewed  
rewritten by  
Bill Reid,  
He will still be  
sending to Can. J. Anim.  
Sci.

616

19/76

28/78

25/76

21/78

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Contr. No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Received	File Reviewed by Director
621 ✓	Nagai Bakker Eisen	Genetic analysis of nurse dams selected for six-week body weight or postweaning gain in mice 'Can. J. Genetics & Cytology'	by Eisen	←	13/4/77	
622 ✓	Kramer Pulan	Artifacts produced during acid-catalyzed methanolysis of sterol esters 'Journal of Lipid Research'	Feb. 12/76	sent with	22/11/76	
623 ✓	Grunder Hollands	Carbonic Anhydrase Isozymes of Blood and Oviducal Tissues of Leghorn Hens 'Poultry Science'	Feb. 19/76	free	22/2/77 (free)	August 24, 1976 188 2/4/78
624 ✓	Nagai Bakker Eisen	Body composition and energetic efficiency in two lines of mice selected for rapid growth rate and their F <sub>1</sub> crosses 'Theoretical and Applied Genetics'	Mar. 2/76	✓	13/4/77	
625 ✓	Hidioglou	Effect of diet on the metabolism of radiotocopherol in sheep.  British Journal of Nutrition	March 11/76	18.1.77	4.7.77	189 2/4/78
626	G. J. Marcus	Comparative Aspects of Nidation on the Choice of Animal Models. <i>NY Publication</i>  "Biology of Reproductive"	March 19, 1976	NOT	PUBLISHED	a Review article - Rejected by journal - cancelled Cont' No. May 1979
627 ✓	Longenecker, Pazderka Gavora	Lymphoma Induced by Herpesvirus: Resistance Associated with a Major Histocompatibility Gene.  "Journal of Immunogenetics"	submitted by Longenecker	received by Longenecker	received by Longenecker	2. September 1978 Feb 78 2/4/78

Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">79</span>	Sent to Editor	Reprints Ordered	Reprints Received	File Reviewed by Director
628 ✓	Sibbald & Hamilton	The Effects of Cage Density and Strain on the Apparent Metabolizable Energy Value of a Laying Hen Diet.  University of Guelph Poultry Science (research note)	March 31/76	✓	1976	23/4/77 A 77
629 ✓	Bush Sauer	The isolation of a new Low Potential, Iron containing Electron Transfer Protein from Rumen Bacteria  B.L. Horecker Roche Institute of Molecular Biology	April 8/76	May 29/76	July 13/76	
630 ✓	Lee, A.J.	The relationship between milk yield and age at calving in 1st lactation 'Journal of Dairy Science'	by Dr. Lee	by Dr. Lee	Dec. 7/76	
631 ✓	Lee	Estimation of variance components in large herd by sire designs with interaction 'Journal of Dairy Science'	by Lee	Oct. 4/76 Ser. 125 to Dr. Lee as letter of Oct 4/76	21.2.77 (Lee)	
632	Bakker Nagai Eisen	Genetic Differences in Age and weight at Sexual Maturation in Female Mice for Rapid Growth Rate  Journal of Animal Science'	Dr. Eisen submitted	←	by Dr. Nagai FEB. 15/77.	



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Contribution No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Received	File Reviewed by Director
633 ✓	Sibbald Gowe	Effects of Insoluble Grit on the Productive Performances of ten white leg-horn strains.  "Poultry Science" <i>British Poultry Science</i>	<del>14-4-76</del>  6.7.76.	5-5-77 5-4-77	Aug 15/77 18	25/7/77 AKK
634 ✓	McCallum Elliot Owen	Survival of colostrum deprived neonatal pig-lets fed gamma-globulins  Can. J. Animal Sci.	25-8-76	by McCallum	from McCallum 11.5.77.	25/4/77
635 ✓	Robertson King Elliot	The control of the time of parturition in sows with prostaglandin F <sub>2</sub> <i>rejected to JAS and submitted to Can. J. of Comparative Med.</i> Journal of Animal Science (Ithaca, N.Y.)	15-4-76  29/11/76	Dec 14/77	Jan 2/78	24/7/77
636 ✓	Sauer Bush Stevenson	The separation of pyruvate-ferredoxin oxidoreductase into two enzymes catalyzing different reactions 'Biochim. Biophys. Acta.	April 26/76	28-7/76	19-10-76	
637 ✓	Charlton Corner Davey Kramer Mahadevan Sauer	Cardiac Lesions in Rats Fed Rapeseed Oils  Can. J. of Comparative Medicine	by A.D.R.I.	By ADRI	1976	
638 ✓	Erflle Sauer Mahadevan	The effect of Ammonia Concentration on the Activity of Enzymes of Ammonia Assimilation & the Synthesis of Amino Acids by Mixed Rumen Bacteria Maintained in Continuous Culture  J. Dairy Science	Oct. 28/76	11.5.77.	4 August - 77.	21/1/77 A 88

634 ✓

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Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">81</span>	Sent to Editor	Reprints Ordered	Reprints Received	File Reviewed by Director
639 ✓	J. I. Elliott	Iron Supplementation of Piglet Milk Replacers 'Canadian Journal of Animal Science' (Research Note)	May 7, 1976	Sept 3/76	Nov 24/76	KYV 25/77
640	Ter Heijden Chesnais Hickman	An efficient method of computing the numerator relationship matrix and its inverse matrix with inbreeding for large sets of animals  Theoretical & Applied Genetics	May 28, 1976	?	?	
641 ✓	Kramer Hulan	Changes in the alk-1-enyl and acyl group composition in cardiac phospholipids of boars fed corn oil or rapeseed oil  "Lipids"	June 10/76	December 23/76	18-4-77	noted noted Feb 78
642 ✓	Hunt Voisey Thompson	Physical properties of eggshells. A comparison of the puncture and compression tests for estimating shell strength	(Sent by ERS)	By E. R. S.	from E. R. S. 21 July 77	
643 ✓	Hulan Kramer	Myocardial Lesions in Rats Fed Rapeseed Oil - I. Influence of Strain of Rats  Can. J. of Phys. & Pharmacology	June 23/76	9.3.77	June 14, 1977	18.3.77
644 ✓	Hulan Kramer Corner Thompson	Myocardial Lesions in Rats Fed Rapeseed Oil - II. Effects of Castration  Can. J. of Phys. & Pharmacology	June 23/76	7.3.77	June 14, 1977	18.3.77

Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">82</span>	Sent to Editor	Reprints Ordered	Reprints Received	File Reviewed by Director
645 ✓	Jackson Lessard	The Effect of Moisture Content of ensiled corn on the storage capacity and losses of a 9.1 x 24.4 m (30 x 80 ft) concrete tower silo	By E.R.S.	By E.R.S.	13/3/78	
646 ✓	Sibbald	A Test of the Additivity of True Metabolizable Energy Values of Feedingstuffs	July 13/76	✓	24.8.74 for 24.8.75	25/2/77
647 ✓	Hunsaker Reiser Wolynetz	Vaginal Temperature Rhythms in Sheep  International Journal of Chronobiology	July 19/76	3.3.74.	27-5-77	Noted Feb 78 25/2/77
648 ✓	Rodda Friars Gavora Merritt	Genetic Parameter Estimates and Strain Comparisons of Egg Composition Traits	By U of Guelph	Ordered by Rodda	Rec'd 49- from Rodda Aug 22/77	2. September 77 Feb 78 25/2/77
649 ✓	Hidioglou Ivan Ho	Effects of human chorionic gonadotropin on the transport of manganese and zinc, and tissue uptake of radioactivity following subcutaneous administration of tritiated estrone in manganese-deficient and non-deficient rabbits (Can. J. of Comparative Medicine, Ottawa)	July 19/76	4. 7. 77	June 14 77	Oct. 13/76 25/2/77
650 ✓	Elliot Lodge	Body composition and glycogen reserves in the neonatal pig during the first 96 hours postpartum  CJAS	July 20/76	February 4/77	29/4/77	25.4.77 25/2/77

Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">83</span>	Sent to Editor	Reprints Ordered	Reprints Received	File Reviewed by Director
651 ✓	I. R. Sibbald R.M.G. Hamilton	The Effect of Dietary Phosphorus Level and Strain of Bird on the Apparent Metabolizable Energy Content of a Laying Hen Diet. Poultry Science.	30.07.76	(6000)	22/2/77 free	25/2/77 88
652 ✓	D. W. Friend	Effect of Dietary Energy and Protein on Age and Weight at Puberty of Gilts. Journal of Animal Science	30.07.76	5-11-76	26-5-77	25/2/77 88
653 ✓	J. Gavora J.L. Spencer W.C.D. Hare P.M. Morse	Genetic Resistance to Lymphoid Tumor Transplants" Poultry Science	4.08.76	Dec. 15/76	14/4/77	20-9-76 25/2/77
654 ✓	M. Hidioglou J. R. Lessard	The effect of selenium or vitamin E supplementation on volatile fatty acid content of rumen liquor in sheep fed a purified diet. International Journal for Vitamin & Nutrition Research (Switzerland)	9.08.76	9-11-76	12 10-76 Jul. 1/77	25/2/77 88
655 ✓	I. R. Sibbald	The True Metabolizable Energy Values of Some Feedingstuffs.	23.8.76	✓	24.2.77 from Sibbald	25/2/77 88
656 ✓	Vandenneuvel	Gas-liquid chromatographic studies of reactions and structural relationships of steroids J. of Chromatography	25-8-76	10. 11. 76	checked 100 rec'd (45) - 12.3.77 rec'd remainder on March 21-77 N.D. rec'd 43-4472 ed.	



CONTR. # 657 - Effects of Ration and Inside Versus Outside Housing on Plasma Levels of Ascorbic Acid, Lactic Acid, Glucose and Cholesterol in Hereford Steers Wintered Under Practical Conditions.

Hideraglow, Swan, Kessard.

Rec'd Nov 8/77 - PK.

P.O. shows above title for Contr. # 657 on

	Sent to Editor	Reprints Ordered	Reprints Received	File Reviewed by Director
ire itions acid n 2 2 4 7 August 26/76	(84)	24. Aug 77	200 8/77	11.5.77 - 2/2/91 11/1/88
growing Lambs Fed a Purified Diet Can. J. of Animal Science	August 27/76	February 9/77.	200 + 10 29/4/77	28 3 77. 2/2/91 6/88
659 ✓ Gavora Vaccination against MD Gowe Efficacy of Cell-Assoc. McAllister & Lyophilized Herpesvirus of turkeys in 9 strains of leghorns Poultry Science	Sept. 1/76	February 9/77.	4 July 77.	27. 4. 77. 2/2/91 6/88
660 ✓ Jordan The effects of feed level Lister and Year-round enclosed Wauthy semi-enclosed, or Thompson outside confinement on Proulx beef production in Canada's Comeau North Can. J. Anim. Sci.	Sept. 3/76	Aug 12 77	June 15 77 July 20	
661 ✓ Bush Evidence for separate Sauer enzymes of pyruvate decarboxylation & pyruvate synthesis in soluble extracts of Clostridium pasteruianum J. Biological Chem.	Sept. 3/76	25-2-77 (# 0119-2217)	21.6.77.	

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Contr. No.	Authors	Title	Sent to Editor	Reprints Ordered	Reprints Received	File Reviewed by Director
662 ✓	Sibbald Price	True and Apparent Metabolizable Energy Values for Poultry of Canadian Wheats and Oats Measured by Bioassay and Predicted from Physical and Chemical Data.	17.09.76	6 - <del>4</del> .77	June 15, 1977	25/9/77
663 ✓	Mahadevan Sauer Erflé	Purification and Properties of Urease from Bovine Rumen.	17.09.76	15.3.77.	rec'd 11/8/77 pk.	25.4.77
664 ✓	Erflé Fisher	The effect of intravenous infusion of Lysine, Lysine plus Methionine or Carnitine on Plasma Amino Acids and Milk Production of Lactating Cows.	21.9.76	February 9/77	29/4/77	
665 ✓	Fisher Lessard	The Dry Matter Intake and Digestibility of Winter Wheat Harvested as Wheat Crop Silage.	1.10.76	18-5-77. " " " " " " " " " " " " " " " " " "	June 15/77	
666 ✓	Akhtar	The Degradation of Tetrachlorvinphos & Its Major Metabolite 2,4,5-Trichlorophenacyl Chloride in Aqueous Media Jour. of Agricultural & Food Chemistry	8/10/76	March 1/77	rec'd - 23-8-77-R.	25/9/77
667	Sarkar	Relative In Vivo and In Vitro Incorporation of Labelled Leucine Into Pig Liver and Muscle Proteins International J. of Biochemistry	14/10/76	No Publication	?	25/9/77
668 ✓	Ivan	A new method for re-entrant cannulation of the duodenum in sheep Can. J. Anim. Sci.	27/ 10/ 76	February 9/77	9-6-77	25/9/77
669 ✓	Hunsaker Hulan Corner Kramer	Electrocardiograms of Male Rates Fed Rapeseed Oil Canadian J. of Physiology & Pharmacology	16/11/76	9 6 77	1977	25/9/77

Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">86</span>	Sent to Editor	Reprints Ordered	Reprints Received	File Reviewed by Director
670 ✓	Hamilton Sibbald	The Effects of Dietary Phosphorus on Productive Performance & Egg Quality of 10 strains of W.L. Poultry Science	Nov. 16/76	29 = 77 - CW	4 August 1977	23/10/78
671 ✓	Nagai	Evaluation of Mouse Lines for Maternal Performance and Growth of the Offspring Laboratory Animal Science	Nov. 18/76	7-4-77	26.5.77	24/11/77
672 ✓	Friend	An Incident of Delayed Estrus in Prepuberal Gilts Cdn. Journal of Animal Science.	Nov. 18/76	January 26/77	29/4/77	24/11/77
673 ✓	Sarkar Lodge Friend	Hyperplastic and Hypertrophic Growth in organs and Tissues of the Neonatal Pig. Journal of Animal Science.	Nov. 19/76	2-6-77	Nov 16/77	Feb 78 25/11/78
674 ✓	Gilka Corner Sugden Friend	Heterotopic Calcification In Swine Animal Pathology	being mailed by A.D.R.I.	6.12.77 by A.D.R.I.	+ July 18/79	
675 ✓	Kramer Hulan	Changes in cardiac lipids of chickens fed rapeseed oils with different levels of erucic acid. Cdn. Journal of Animal Sc.	Nov. 29/76	5.4.77	June 10/77	Noted Feb 1978
676 ✓	Cipera Grunder	Comparison of Hens Producing High Vs Low Quality Eggshells 'Poultry Science'	Dec. 16/76	28 March 1977	Aug. 10/77	24/11/77

Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">87</span>	Sent to Editor	Reprints Ordered	Reprints Received	File Reviewed by Director
✓ 677 (blind)	Kushwaha, S.C. Kates, M. Kramer, J. Subden, R.E.  'Lipids'	Lipid Composition of Neurospora crassa		—	—	
678 ✓	Sibbald Price	The true metabolizable energy values of the seeds of brassica campestris, B. Hirta and B. Napus  Poultry Science	Dec. 23/76	March 30-77	Aug 10/77	2/12/91 6/8
679 ✓	Voisey Hamilton	Sources of error in egg specific gravity measure- ments by the flotation method  Poultry Science	by E.R.S.	By ERS	From ERS ✓	2/12/91 6/8
680 ✓	Voisey ? (Kramer, J. C. H.)	Observations on the relationship between non- destructive eggshell deformation and resistance to fracture by quasi-static compression for measurement of eggshell strength  Poultry Science	by E.R.S.	By ERS	From ERS ✓	2/12/91 6/8
681 ✓	Kramer Hulan	A comparison of procedures to determine free fatty acids in biological tissues.  Journal of Lipid Research	Feb. 10/77	Sheet 7/12/77	Jan 31/78	



Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">88</span>	Sent to Editor	Reprints Ordered	Reprints Received	File Reviewed by Director
682	Sarkar	Implication of alanine and aspartate aminotransferases glutamic dehydrogenase and phosphoenolpyruvate carboxykinase in glucose production in the rat, chicken and pig.  Int'l. J. of Biochemistry.	Feb. 21/77	7	2	25/2/91 R/S
683 ✓	Williams Eisen Nagai Bakker	Direct & Maternal Genetic Effects on Body Weight Maturing Patterns in Mice	not by ARI	1	Mar 33/78	25/2/91 R/S
684 ✓	Sibbald	The true metabolizable energy values for poultry of rapeseed and of the meal and oil derived therefrom  'Poultry Science'	February 22/77	2-6-77	Sept 27, 1977	25/2/91 R/S
685 ✓	Sibbald	The effect of level of feed input on true metabolizable energy values  'Poultry Science'	Feb. 25/77	2-6-77	Sept 30, 1977	25/2/91 R/S
686 ✓	Grunder Hollands	Esterase isozymes of the Hen's oviduct.  'Poultry Science'	March 3/77	1-9-77	Dec 30/77	25/2/91 R/S
687 ✓	Hulan Kramer	The effect of long-chain monoenes on Prostaglandin E <sub>2</sub> Synthesis by Rat skin.  'Lipids'	March 3/77	27-5-77	rec'd 3 August, 1977 CW.	noted Feb 78

Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">89</span>	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
688 ✓	Lodge Sarkar Friend	Hyperplasic and hypertrophic growth in brain, liver and muscle of undernourished suckled pigs.  'Journal of Animal Science'	March 7/77	Aug 15/77	Feb 14/78	Feb. 78 <span style="float: right;">25/2/78 ASR</span>
689 ✓	Hidiroglou Ho Ivan Shearer	Manganese status of pasturing ewes, of pregnant ewes and doe rabbits on low-manganese diets, and of dairy cows with cystic ovaries.  'Can. J. Comparative Medicine'	March 7/77	Dec. 12/77	Mar 2/78	revised - Feb 78 <span style="float: right;">25/2/78 ASR</span>
690	Henderson McAllister	The missing subclass problem in two-way fixed models.  'Journal of Animal Science'	17-3-77	?	?	<span style="float: right;">25/2/78 ASR</span>
691 ✓	Akhtar Foster	The metabolism of tetrachlorvinphos by the soluble fraction (105,000 xg) from Chicken liver homogenates.  'J. of Agric. & Food Chem.'	17-3-77	27-5-77	Nov 15/77 H	Feb 78 <span style="float: right;">25/2/78 ASR</span>
692 ✓	Erflle Mahadevan Sauer	Urea as a Supplemental nitrogen source for lactating cows.  'Animal Science' <i>reject ed</i> <i>forwarded to C.J.A.S.</i>	<del>17-3-77</del>  18.8.77.	17/08/78	12/5/78	

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Contribution No.	Authors	Title	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
693 ✓	Grunder Merritt	Esterase genotypes and performance traits in meat-type chickens. Cdn. J. of Gen. & Cytology.	March 18/77	Nov. 17/77	Jan 30/78	
694 ✓	Elliot Lodge	Severe Feed Restriction of the sow during late pregnancy.  'Can. J. Anim. Sci.'	March 28, 1977	Jan 18/78	12/5/78	2/7/78
695 ✓	Friend Kramer	Some constituents of amniotic fluid from 30-day old pig embryos.  'Can. J. Anim. Sci.'	March 28/77	Jan 18/78	12/5/78	2/12/78 1/8
696 ✓	Hidioglou Lessard Wauthy	Blood serum tocopherol levels in calves born from cows winter-fed hay or silage."  'Can. J. Comp. Medicine.'	March 28/77		Jan 2/78 and now report in 695	Noted Feb 178 2/2/78
697 ✓	Voisey Hamilton	The effect of deformation rate and other factors on the force required to fracture eggshells in measuring shell strength  'Poultry Science'	30-3-77	12/13 F R S	1/10/78 F R S ✓	

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Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">91</span>	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
698	Sibbald	Effect of steam pelleting on the true metabolizable energy values of poultry diets.	April 6, 1977 <i>no publication</i>	1071	23 Sept 1977	<i>25/12/91 M</i>
699 ✓	Longnecker, Pazderka Gavora Spencer Stevens Witter Ruth	'POULTRY SCIENCE" Role of the major histocompatibility locus in resistance to Marek's Disease; Restriction of the growth of JMV-MD to more cells in genetically resistant birds.  'Proc. of the Int'l Conf. in Avian Immunology' Honolulu, Hawaii March 12-13 1977	April 7/77	✓	21/02/78	<i>25/12/91 M</i>
700 ✓	Hidioglou Zarkadas	The effects of selenium on the in vitro metabolism of methionine by rumen microflora of sheep.  Third Intl Symposium on Trace Element Metabolism In Animals - F.R.I. - July 25-29 - 1977	12-4-77	✓	<i>rec'd copies from Hidioglou</i>	<i>25/12/91 M</i>



Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">92</span>	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
701	Sibbald	The conversion of requirement data from the apparent to the true metabolizable energy system.  'Poultry Science'	18-4-77	<i>Number cancelled - published as a misc paper in - Feedstuffs</i>		<i>2/10/78 AT</i>
702	Foster Saha	The In vitro metabolism of lindane by an enzyme preparation from chicken liver  J. of Environ. Sci. &H.	18-4-77	<i>20.6.77.</i>	<i>8/3/78</i>	<i>Printed - Mar 14/78 25/4/78 AT</i>
703	Sibbald Price	The effects of level of dietary inclusion and of calcium on the true metabolizable energy values of fats.  'Poultry Science'	22-4-77	<i>26. Aug 77.</i>	<i>Mar 17/78</i>	<i>25/4/78 AT</i>
704	Sibbald Kramer	The True Metabolizable energy values of fats and fat mixtures.  'Poultry Science'	22-4-77	<i>26. Aug. 77.</i>	<i>Mar 17/78</i>	<i>25/4/78 AT</i>
705	Hidioglou Ho Williams Ivan	Effects of level of dietary sulfur on the growth performance and blood mineral profile of sheep fed urea-supplemented corn silage.  "Int'l J. for Vit. & Nut. Res"	2 May 1977	<i>26. Aug. 77.</i>	<i>Nov 22/77</i>	<i>Noted Feb 78 25/4/78 AT</i>

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Contribution No.	Authors	Title	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
706 ✓	Hulan Kramer Corner	The effect of dietary fatty acid balance on myocardial lesions in Male rats. <i>No Publication</i>  'Lipids'	9-5-77	7-10-77	3/4/78	
707	Young Jenkins Edmeades	Selenium content of feedstuffs grown in Ontario.  'Can. J. Anim. Sci.'	9-6-77	?	✓	
708	Chan Robertson Friesen	Distribution of binding sites for ovine placental lactogen in the sheep. <i>No Publication</i>  'Endocrinology'	9-6-77 forwarded to editor by Chan	?	?	25/2/81 188
709 ✓	Sibbald	The true metabolizable energy values of mixtures of tallow with either soybean oil or lard.  'Poultry Science'	23-6-77	26-01-78	20/4/78	25/2/81 188
710 ✓	Ho Hidiroglou Wauthy Jenkins Proulx	Effects of a chelated trace mineral supplement on the copper and iron status of wintering pregnant beef cows fed hay or grass silage. "Can. J. Anim. Sci."	28-6-77	Nov 14/77	17.1.78 R.	Feb. 78 25/2/81 188

✓

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Contribution No.	Authors	Title	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
711 ✓	Eisen Hayes Allen Bakker Nagai	Cellular characteristics of gonadal fat pads, livers and kidneys in two strains of mice selected for rapid growth. "GROWTH"	Ms. submitted by Eisen	by Eisen 22-03-78	15/5/78	16/5/78 22/2/78
712 ✓	Hidiroglou Ivan <i>Franklin</i>	The relative influences of barley and oat silages for beef cows on the occurrence of myopathy in their calves. "AMER. D. SCI. ASSOC."	7-July-1977	17/10/77	17/02/78	Feb '78 22/2/78
713 ✓	Sugden Hidiroglou Mitchell	Lack of an effect of dietary selenium on serum albumin, glucose, and urea nitrogen in ewes.  Cdn. J. Comp. Medicine	15-7-77 ms. submitted by sugden	10/02/78 by ADRI	From ADRI	
714 ✓	Akhtar	In vitro metabolism of desmethyl tetrachlorvinphos by soluble fraction (105,000 x g ) from chicken liver homogenates.  "J. of Agric. & Food Chem."	15-7-77	<del>17/01/78</del> 18 May 78	15/9/78	25/2/78

Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">95</span>	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
715 ✓	Al-Rabbat Heaney	The effects of anhydrous ammonia treatment of wheat straw and steam cooking of aspen wood on their feeding value and on ruminal microbial activity. I. Feeding value assessments using sheep.  'Can. J. Anim. Sci.'	18-7-77	12/5/76	14/11/78	25/2/81 188
716 ✓	Al-Rabbat Heaney	The effects of anhydrous ammonia treatment of wheat straw and steam cooking of aspen wood on their feeding value and on ruminal microbial activity. II. Fermentable energy and microbial growth derived from ammonia nitrogen in the ovine rumen.  'Can. J. Anim. Sci.'	18-7-77	12/9/76	14/11/78	25/2/81 188
717	Standish SAUER	Mineral balance studies in lactating dairy cows with particular reference to magnesium status  'Amer. Dairy Sci. Assoc.'	22 - 7 - 77  NO Publication			



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Contribution No.	Authors	Title	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
718	Hidiroglou Ho Standish	"Effects of dietary manganese levels on reproductive performance of ewes and on tissue mineral composition of ewes and day-old lambs.  'Can. J. Anim. Sci.'	4 - Aug - 77	18.1.78	12/5/78	Feb '78 <span style="float:right">24/2/78 AS</span>
719	Robertson King Dyck	"Brief Communication - The appearance of oestrone sulphate in the plasma of the pig early in pregnancy."  'J. of Reprod. & Fertility'	4-August-77	Jan 3/78	Apr 17/78	28/12/78 <span style="float:right">21/2/78 AS</span>
720	Sauer Bush Mahadevan Erflle	Methane production by cell-free particulate fraction of rumen bacteria.  "Roche Inst. of Mole. Biol."	9-Aug.-77	7.10.77	Dec 14/77	
721	Lessard Erflle Sauer Mahadevan	Protein and Free amino acid patterns in maize ensiled with or without urea.  ' J. of the Sc. of Food & Agric.'	18 - Aug - 77	5/7/78	29 only rec'd 21/10/78	
722	Sibbald K. Price	The Metabolic and Endogenous Energy Losses of Adult Roosters  'Poultry Science'	19-Aug-77	06.02.78	20 April 78	25/2/78 AS
		A Technique for Cannulation of Intravenous Ig Hens for	25-Aug-77	23/2/79		21/10/78 AS

Laboratory Animal Science 11/5/78

NOTE: A.R.I. #723 - Title changed -  
"Intravenous cannulation of hens for long-term infusion."

FORMULE 12E DE L'ONGS 7540-21-868-3907

CGSB FORM 12E

Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">97</span>	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
724 ✓	Nagai Eisen Emsley McAllister	"Selection for nursing ability and adult weight in mice" 'GENETICS'	1 Sept 1977	14. Mar. 78.	rec'd 1290 " 6150 " 300 see 2 97 copies 11/10/78 " 40 10/11/78 " 34 10/11/78	26/2/78 55
725	Nagai Sarkar	"Relationship between milk yield and mammary gland development in mice"  American Dairy Science Ass.	13 Sept 1977	12-04-76	17/7/78	24/2/78 55
726	Sibbald	"The Effect of the Duration of the time interval between assays on true metabolizable energy values measured with adult roosters"  'Poultry Science'	20 Sept 1977	Jan 5/78 12	20/4/78	27/2/78 15/1/78 88
727 ✓	Sibbald Kramer	"The effect of the basal diet on the True Metabolizable Energy Value of Fat"  'Poultry Science'	5 Oct 1977	CW 02-76	27/4/78	27/2/78 15/1/78 88
728	Kennedy Chicoine Jones Hickman Burnside	"Progeny test of Finnish and Canadian Ayrshire bulls for veal and dairy beef production"  'Can. J. Anim. Sci.'	submitted by Kennedy			

98

Contribution No.

Authors

Title

Sent to Editor

Reprints Order

Reprints Received

File Reviewed by Director

729 ✓

Sibbald, I.R.

Effect of the age of the assay bird on the true metabolizable energy values of feedingstuffs.

28-10-77

14/4/78

11/7/78

25/2/91  
188

'Poultry Science'

730

Owen  
Elliot  
McCallum  
Bourque  
Rhodes

"Weaning at birth: Practice and Implications.

12 Sept. 77

NO Publication

25/2/91  
188

731 ✓

Carnegie  
Robertson

"Conjugated and unconjugated estrogens in fetal and maternal fluids of the pregnant ewe: A possible role for estrone sulphate during early pregnancy.

7 Nov. 1977

19/4/78

2/11/78  
188

28/12/78

25/2/91  
188

'Biology of Reproduction'

732

Gavora  
Spencer

"Breeding for Genetic Resistance to Disease": Specific or General.

16 Nov. '77

2/5/78

2/1/79

25/2/91  
188

'World's Poultry Science J'

99

Contribution No.	Authors	Title	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
733 ✓	Kramer Hulan Procter Dussault Chappel	'Evaluation of the low erucic acid rapeseed oil Tower. I Monkeys: Body and organ weights, electrocardiogram and blood analysis 'Cdn. Journ. Anim. Sci.'	Nov. 25/77	21/4/78	SEP 15 1978	
734 ✓	Kramer Hulan Procter Rona Mandavia	'Evaluation of the Low Erucic Rapeseed Oil Tower. II. Monkeys: Cardiac Lipids, Histochemistry and Pathology. 'Cdn. Journ. Anim. Sci.'	Nov. 25/77	21/4/78	SEP 15 1978	
735 ✓	Gavora Spender Robertson Speckmann	Performance of Six Strains of Chickens Hatched from Specific Pathogen-Free or Conventionally Housed Dams 1978 World Poultry Congress'	Nov. 25/77	✓	Nov. 29 see 'd'k' name	25/12/78 KTB
736 ✓	Cave	The Effect of Whole Wheat or Whole Rye Plus Wheat As Grower Rations on the Growth and Performance on Broiler Breeders 'Poultry Science'	Nov. 28/77	27/7/78	19/1/79	25/12/78 KTB
737 ✓	Cave	'Effects of Dietary Glycine on Feed Intake and Growth of Meat and Egg-Strain Chicks. Poultry Science'	Nov. 29/77	17 June 78	19/1/79	25/12/78 KTB
738 ✓	R.M.G. HAMILTON	'Observations on the changes in physical characteristics that influence egg shell quality in ten strains of white leghorns' 'Poultry Science'	Dec. 9/77	31/5/78	29/9/78	25/12/78 KTB



Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">100</span>	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
739	J.K.G. Kramer H.W. Hulan	The Effect of Dietary Erucic Acid on Cardiac Triglycerides and Free Fatty Acid Levels in Rats. "Lipids"	Dec. 9/77	5/5/76 rec'd 15/9/78		
740	Chan, J.S.D. Robertson, H.A. Friesen, H.G.	Maternal and fetal concentrations of ovine placental lactogens measured by radioimmunoassay. <i>No publication</i>  Endocrinology.	by Friesen			2/19/78
741 ✓	Hamilton	The effects of dietary protein level on productive performance and egg quality of four strains of White Leghorn hens.  Poultry Science.	6 Jan 78	21/6/78	rec'd 12/10/78 to be picked up by Hamilton	2/19/78
742	Nagai, J.	Effects of fetal litter size on subsequent lactation in mice.  Journal of Dairy Science	23/1/78	12/9/78		26/2/78
743 ✓	Friars Fairfull Gavora Gowe	Egg solids yields in selected and control strains at different ages.	26/1/78	<i>transmission as requested by Friars</i>	rec'd 29/11/78 K. Gavora	26.11.78 OK

Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">101</span>	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
744 ✓	Lodge Lister Wood Wolynetz	Age, Weight or total feed intake as bases for the performance testing of growing pigs.  'Animal Production'	31/1/78	✓	4-4-79	2/6/78 <span style="float: right;">2/2/81 188</span>
745	Nagai	Estimation of correlation between maternal genetic effects for body weight at 12 days and direct genetic effects for body weight at 42 days in mice.  'Can. J. Genetics and Cytology'	10/02/78	21/1/78 <i>18000</i>	13/2/79	26/2/81 55
746	Patni	Physical quality and sediment transport in drainage water from a manured and fertilized cropping operation  'J. Env. Sci. & Hlth - Part B'	10/02/78	10/3/78	2/11/78 <i>1111</i>	16/3/78 <span style="float: right;">2/2/81 188</span>
747 ✓ 2384	Batra	Genetic trends for production traits in dairy cattle  Can. J. of An. Sci.	14/02/78	20/2/79 <i>Can. J. of Gen. &amp; Anim. Sci.</i>	26-4-79 <i>1111</i>	<span style="float: right;">2/2/81 188</span>
748	Nagai McAllister	Evaluation of mouse lines for growth under two environments  <i>Laboratory Animal Science (repeated)</i> <i>at 50 + 100 hrs</i>	21/02/78  21/6/78		Rec'd Oct 18/79 no charge	26/2/81 55

Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">102</span>	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
749 ✓	Lodge Sarkar Kramer	Fat deposition and fatty acid composition in the neonatal pig.  'Journal of Animal Science'	23/02/78	18 May 78	7/11/78	May 23/78 <span style="float: right;">25/12/91 88</span>
750 ✓	Hidiroglou Dukes Ho Heaney	<del>Studies on a Bent-Log Syndrome</del> in Lambs Raised at Conf. Williams, Ho.	02/03/78	6/11/78	26/2/79.	Sept. 12/78 <span style="float: right;">25/12/91 88</span>
<p>CONTRIBUTION # 751 - Hidiroglou, Williams, Ho. Rejected by 'British Journal of Nutrition' Resubmitted to Can. J. Anim. Sci. - 08-05-78 Title now reads "Fate of Tritiated Cholecalciferol in healthy sheep and in those affected by osteodystrophy"</p>		<p>of those affected by osteodystrophy 'British Journal of Nutrition' Rejected 11.04.78 -</p>	06/03/78	16-11-78	22/2/79	Sept. 12/78 24/11/55
752	Akhtar	Sequential participation of glutathione and sulph-hydryl(s) in reductive dechlorination of 2,4-di-, and 2,4,5-trichloro phenacyl chlorides by soluble fraction (105,000 x g) of chicken liver homogenate  'Journal of Environmental Science and Health, Part B, Pesticides, Food Contaminants and Agricultural Waste'	06/03/78	05 April 78	11/6/79 km.	26/4/91 555

Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">103</span>	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
753 2612	Halloran Sibbald	Metabolizable energy values of fats measured by several procedures  'Poultry Science'		20-3-79 Hudson Road Harriet	(10) rec'd 11-7-79	26/2/79 555
754	Erfle Mahadevan Sauer	Effect of diet quality on adenosine-5'-triphosphate concentration and adenylate energy charge of rumen microbes from fistulated cows  'American Dairy Science Association'	Apr. 5/78		4-4-78	26/2/79 555
755	Hidiroglou Williams Ho Tryphonas	Zinc and manganese in ram accessory genital glands; distribution, uptake, and effect of testosterone.  American Journal of Veterinary Research	Apr. 7/78	30-11-78 free reprints (200) for on e correct deliv. address returned 4/10	<del>not received</del> has been received 400 copies 23/4/79 10M	23/04/78 26/2/79 555
756 2441	Mahadevan Erflle Sauer	A colorimetric method for the determination of proteolytic degradation of feed proteins by rumen microorganisms  'Journal of Animal Science'	April 14/78	26/2/79 Jones - Secy. of Animal Sci.	24-5-79 approx 120 prints	26/2/79 555
757	Jones Sibbald	The true metabolizable energy values for poultry of fractions of rapeseed ( <u>B. napus</u> cult. Tower)  'Poultry Science'	April 21/78 submitted by Jones	G. Howard to Jones 6/12/78 aw		26/2/79 555

No publication



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Contribution No.	Authors	Title	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
758	Robertson King, Carnegie	The appearance of oestrone sulphate in the allantoic fluid of the pregnant cow 'J. of ENDOCRINOLOGY'	08-05-78	26.9.78	4/2/79	26/2/79 MS
759	Robertson King	Conjugated and unconjugated oestrogens in foetal and maternal fluids of the cow throughout pregnancy. 'J. OF REPROD. & FERTILITY'	08-05-78	17.11.78	21/6/79	27/2/79 MS
760	Tsang	Plasma levels of estrone sulfate, free estrogens and progesterone in the pregnant ewe throughout gestation  'Theriogenology'	11/05/78	18/08/78		26/2/79 MS
761	Hunsaker Wolynetz	Vaginal temperature and eating, drinking, standing, and walking activity rythms in sheep.  'Can. J. Anim. Sci.'	15-05-78	7/2/79	26-4-79 <del>May 82</del>	26/2/79 MS
762	Sibbald	The gross energy of avian eggs  'Poultry Science'	18/5/78	7/12/78	6-4-79	26/2/79 MS

Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">105</span>	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
763	Lodge Friend Wolynetz	Effect of pregnancy on body composition and energy metabolism of the gilt  "Can. J. Anim. Sci."	23/5/78	1/2/77 100 to ESKD	26-4-79 <del>MT</del> MT	24/2/77
764	King Atkinson Robertson	Development of the bovine placentome during the second month of gestation  to be sent by senior author to "J. Repor. Fert."			21/8/79	26/2/77 188
Box 2 765	Sauer, Erflle Mahadevan	Methane synthesis without the addition of Adenosine Triphosphate by cell membranes isolated from Methanobacterium Ruminantium.  "The Biochemical Journal"	12-06-78	10/11/78	27-3-79	
766	Spencer Gavora Gowe	Effect of selection for high egg production in Chickens on shedding of Lymphoid Leukosis virus and gs Angigen into eggs.  'Poultry Science'	19/6/78	10 Jan. 79	12-4-79	10/10/78 recd 26/1/77 115
767	Kramer Hulan Trenholm Corner	Growth, lipid metabolism and pathology of two strains of rats fed high fat diets <sup>1,2</sup>  'Journal of Nutrition'	Submitted by ADRI  20/6/78	26/1/79  J. of Nutrition	105 recd 19-4-79	

Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">106</span>	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
#768	Trenholm, Thompson Kramer	An of of evaluation of the relationship Redietary fatty acids to incidence Re myocardial lesions in male rats	78		15/1/80	repeated summary 9/2/79
769	Hamilton, Hollands Voisey Grunder	quality and shell breakage and factors that affect shell breakage in the field. <i>World Poultry Science</i> <del>'Poultry Science'</del>	20/6/78  13/09/78	20/6/79	27/9/79 (258) 100 to ESRI	26/11/78
770	Jenkins	In vitro observations on factors affecting calf pre- gastric esterase activity  'Canadian Journal of Animal Science'	26/6/78	6/2/79	20-4-79	26/2/79
771 2777	Sibbald	A bioassay for available amino acids and true meta- bolizable energy in feedings- staffs  'Poultry Science'	4/7/78	21/2/79 <i>Canadian Journal of Animal Science</i>	5-4-79	R.D. House 24/11/78 26/1/79 M
772	Ivan Jui Hidiroglou	The effects of nitrilotriacetic acid on solubilities of zinc, copper, manganese and iron in the stomach of sheep.  'Canadian Journal of Physiology and Pharmacology'	4/7/78	21/2/79	26/2/79	R.D. House 31/1/78 M 26/2/78

Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">107</span>	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
773	Sibbald	Passage of feed through the adult rooster  'Poultry Science'	6/7/78	12/1/79	6-4-79	NY 26/2/79
774	Voisey Hamilton Thompson	Laboratory measurements of eggshell strength. 2. The quasi-static compression, puncture, non-destructive deformation and specific gravity methods applied to the same egg.  'Poultry Science'	sent by P. Voisey		9/5/79 from Voisey.	26/2/79 188
775 2532	Sibbald	The effect of the duration of the excreta collection period on the true metabolizable energy values of feedingstuffs with slow rates of passage  'Poultry Science'	13/7/78	13/2/79 Paul S. S.	19/7/79 (161 reprints)	26/2/79 188
776	Tsang, B.K. Ainsworth, Downey Armstrong	Pre-ovulatory changes in cyclic AMP and prostaglandin concentrations in follicular fluid of gilts.  'Prostaglandins'	to be sent by B.K.Tsang	29/1/79	6-4-79	26/2/79 188
777	Hidioglou Williams Ivan	Pharmacokinetics and plasma levels of 25-hydroxycholecalciferol in sheep affected by osteodystrophy  'Journal of Dairy Science'	18/7/78		16-5-79	R.S. Jones 5/1/78 26/2/79 188



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Contribution No.	Authors	Title	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
778	Lodge Sarkar	<p><i>No publication</i></p> <p>Sex differences in muscle and liver growth of the pig</p> <p>'Canadian Journal of Animal Science'</p>	25/7/78 <i>rejected 31/1/79</i>			<i>26/2/79</i> <i>118</i>
779	Elliot Lodge Hartsock	<p>Practical artificial rearing of neonatal piglets under non-isolated conditions</p> <p>'Canadian Journal of Animal Science'</p>	28/7/78	<i>11/11/78</i>	<i>22/2/79</i>	<i>26/2/79</i> <i>118</i>
780	Foster Khan Akhtar	<p>Metabolism of Atrazine by the Soluble Fraction (105,000 x g) from Chicken Liver Homogenates</p> <p>'Journal of Agricultural &amp; Food Chemistry'</p>	3/8/78	<i>11/11/78</i>	<i>7/5/79</i>	<i>26/2/79</i> <i>118</i>
781 <i>2346</i>	Friend Elliot	<p>Fatty acid composition of the pig uterus, fetus and belly fat.</p> <p>'Canadian Journal of Animal Science'</p>	4/8/78	<i>14/2/79</i> <i>C. J. of Animal Sci.</i>	<i>26/4/79</i>	<i>26/2/79</i> <i>118</i>
782 <i>2324</i>	Lodge Elliot	<p>The influence of birthweight on the subsequent growth of hysterectomy-derived pigs</p> <p>Canadian Journal of Animal Science</p>	4/8/78	<i>15/2/79</i> <i>C. J. of Animal Sci.</i>	<i>26-4-79</i>	<i>26/2/79</i> <i>118</i>

Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">109</span>	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
783	Akhtar Foster	Comparative <u>in Vitro</u> metabolism of Tetrachlorvinphos by the soluble fraction (105,000 xg) from sheep, pig and cow liver homogenates  'Journal of Agricultural and Food Chemistry'	10/8/78	01/11/78	2-3-79	26/2/79 ATV
784	Reid Buckley Elliot Nicholls	A six cage automatic liquid feeding system for neonatal piglets.  'Can. J. Anim. Sci.'	Forwarded by E.R.S.		reprints received from J.I. Elliot 11-2-79	26/2/79 ATV
785	M. Hidioglou	Manganese in Ruminant Nutrition	30/08/78	1.5.79	3 July 1979	19/2/79 D. J. S. C. T. 26/2/79 ATV
786	Hackett Inskeep Peters Inskeep Robertson Shresta	Comparison of Artificial Insemination and Natural Mating on Reproductive Performance of five strains during the anestrus season in an intensive system. ESRI	30/08/78  C. J. of Anim Sci. 12/9/78 Contra. No. I-103	Nov 20/79 200 - ARI 100 - ESRI	22/2/80	26/2/80 ATV
787	Khan Foster Akhtar	Metabolism of Atrazine and Simazine by the Soluble Fraction (105,000 x g) from Goose, Pig and Sheep Liver Homogenates	30/08/78 Forwarded by C.B.R.I.		5/5/80	26/2/79 ATV
788	Sauer Kramer	The Metabolism of Long-Chain Monoenoic Fatty Acids in Heart Muscle and their Cardio-pathogenic Implications	30/08/78  40 Published			

Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">110</span>	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
789	Sauer and Kramer 52.02.63	The Metabolism of Long-Chain Monoenoic Fatty Acids in Heart Muscle and their Cardio-pathogenic Implications	Forwarded to Sauer 30/08	July 15/80	Dec '80	
790	T.R. Batra	Incidence of Clinical Mastitis in Dairy Cattle	13/09/78	(200) 11 July 79 Edm Jour Amun Sec	204 October 17/79	S.C.T. 26/2/1955
791	N.A. Cave	Use of Dietary Ammonium Sulfate in Control of Growth Rate of Broiler Breeder Replacement Pullets from One Day of Age	13/09/78	June 22/82	Sept 27/82	S.C.T. 26/2/1955
792	M. Ivan, M. Ihnat and M. Hidiroglou	Effects of Nitrilotriacetic Acid on Apparent Absorption and Duodenal Flow of Manganese, Iron, Zinc and Copper in Sheep	13/09/78	2 May 79	3 July 79	S.C.T. 3/1/79 24/1/1955
793 2405	A.A. Grunder and K.G. Hollands	Inheritance of adenosine deaminase variants in chickens and turkeys - Running title: Adenosine Deaminase inheritance in Domestic Fowl	13/09/78	2/3/79 Hawaii Island Laysan Genetics	29/8/79	S.C.T. 26/2/1955
794 2070	A.A. Grunder, K.G. Hollands and J.S. Gavora	Incidence of Degenerative Myopathy among turkeys fed corn or wheat based rations	14/09/78	12-4-79 Paull Sec	4/10/79	S.C.T. 24/2/1955
795 2647	J.S. Gavora, A. Emsley and R.K. Cole 54.011.001	Inbreeding in 35 generations of development of Cornell S strain for leghorns	21/09/78	26/3/79 Paull Sec	4/10/79	S.C. Thompson 24/2/1955
796 2564	I.R. Sibbald	BIOAVAILABLE AMINO ACIDS AND TRUE METABOLIZABLE ENERGY OF CEREAL GRAINS	21/09/78	15/3/79 Paull Sec	July 18/79 (101 reprints)	S.C. Thompson 24/2/1955

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Contribution No.	Authors	Title	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
797	Ivan (52:001:063)	Metabolism of radiomanganese and radiozinc in sheep - effects of intraruminal dosing with nitrilotriacetic acid.  "Can. J. Anim. Sci.	25-09-78	4/10/79	3 July 79	26/2/81 11/8
798	Guyer, Grunder Buss Clagett	Identification of two calcium binding proteins in serum of chickens.  Proc. Soc. Exper. Biology & Medicine.	sent to Guyer 25-09-78 for submission		7/5/80	26/2/81 11/8
799	King Robertson Elliot  52:000:029	Induced parturition in commercial swine herds.  Cdn. Vet. Journ.	submitted by King	ordered by King	rec'd. 4/6/79 from King	28 February 1979 11/8 26/2/81 11/8
800 2473	Sibbald  52:011:046	The effect of the drying procedure on excreta energy values for poultry and other species.  "POULTRY SCIENCE"	03-10-78	5/3/79 sent to King	4/10/79	26/2/81 11/8
801	Crittenden Gavora Gulvas Gowe  56:011:002	Complete endogenous RNA tumor virus production by inbred and non-inbred chickens.  J. Avian Pathology	submitted by Crittenden			26/2/81 11/8
802	Tryphonas Hidiroglou & Collins 52.001.053	Postcastration atrophy and reversal by exogenous testosterone male sheep. A histologic morphometric study.	submitted by Ivan	with 10 slides sent to King	from Hidiroglou 31/1/80	23/1/80 26/2/81 11/8



Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">112</span>	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
803 2651	Friend, E.Larmond Wolynetz & Price	Piglet & Pork Production from gilts bred at puberty with chemical composition of the carcass & assessment of meat quality	13/10/78	27-3-79 Ann. Soc. of Anim. Soc.	2-10-79 221 received	26/2/79 SSS
804	Hamilton Thompson Voisey	The effects of age and strain on the relationships between destructive and non-destructive measurements of eggshell strength for white leghorn hens.  Poultry Science	27-10-78	10/4/79	4/10/79	26/2/79 SSS
805	Sauer Erflé Mahadevan Lessard	Urea in corn silage as a supplemental nitrogen source for lactating cows.  Can. J. Anim. Sci.	27-10-78	14/5/79	3 July 1979	
806	Hunsaker and Wolynetz P.#54.004.016	A study of free-running rhythms in sheep  Int. Journal of Chronobiology	31/10/78	23/4/79 10/11	Oct 2/80	Gowe & Voisey 26/2/79 SSS
807	Hamilton and Sibbald  52.011.038 and 54.011.015	The effects of level and source of ammonium sulphate on feed intake, egg production and egg quality in pullets and force molted hens from two white leghorn strains  Poult. Science Association	03/11/78	15/05/79	24 Jan. 1980	R.S. Gowe  26/2/79 SSS

Contribution No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">113</span>	Sent to Editor	Reprints Order	Reprints Received	File Reviewed by Director
808	Sibbald	The clearance time and rate of passage of feed residues. 'Poultry Science'	01-12-1978	24 July 79	3 March 1980	26/2/81 SSS
809	Voisey Hamilton Thompson	The effect of temperature on the resistance of the hen's egg shell to fracture under impact and compression and to deformation under non-destructive forces" Poultry Science	submitted by Voisey		10, Received from RGS Hamilton 11-2	26/2/81 SSS
810 <i>P.O.#0064-4/81</i>	Sibbald	Effects of level of feed input, dilution of test material and duration of excreta collection on true metabolizable energy values. Poultry Science	01-12-78	11-4-79 <i>Journal</i>	4/10/79.	26/2/81 SSS
811	Hollands, Grunder & Williams	Response to five generations of selection for blood cholesterol levels in white leghorns Poultry Science.	05-12-78	22-2-80	4-07-80	R.S. Gowe SSS 26/2/81
812	Ainsworth, Tsang Downey, Baker, Marcus & Armstrong	Effects of indomethacin on ovulation and luteal function in gilts Biology of Reproduction	19-12-78	23/may/79	Oct. 17, 1979 (100)	R.S. Gowe SSS 26/2/81

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
813	Grunder Guyer Buss Clagett	Calcium-Binding Proteins in Serum Quantitative Differences Between Thick and Thin Shell Lines in Chickens	Poult. Sci.	27-Dec-78	LH1	28/14/80	555 26/2/91
814	Sibbald Kramer	The effect of the basal diet on the utilization of fat as a source of true metabolizable energy, lipid and fatty acids	Poult. Sci.	28-Dec-78	May 29/79	3 March 80	26/2/91 555
815	Cipera	Composition of the oviducts of laying hens: investigation of segments involved with shell formation.	Poult. Sci.	29-Dec-1978	31 July 79	28/3/80	26/2/91 101
5716 2313	C.P.W. Tsang A.J. Hackett	Metabolism of Progesterone in the Pregnant Sheep Near Term: Identifi- cation of 5a-Pregnan-3B-OL-20-One 3 Sulfate as a Major Metabolite	Steroids	03/01/79	13-4-79 Steroids	rec'd 26/6/79 RM.	R.S. Gowe 26/2/91 555
817	Sibbald Barrette Price	The additivity of true meta- bolizable energy, gross energy, carbohydrate and proximate analysis data.	Poult. Sci.	19-01-79	23 Aug 79.	5/5/80	26/2/91 555
818	Sibbald Price Barrette	True metabolizable energy values for poultry of commercial diets measured by bioassay and pre- dicted from chemical data.	Poult. Sci.	19-01-79	29/ Aug 79.	5/5/80	26/2/91 555

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
819	Robertson Merritt	The effect of exposure to a 10h light - 14 h dark photoperiod on egg production by geese.	<i>no publication</i> Biol. Reprod. <i>re-submitted Poultry Science</i>	21/12/77 23-01-79 Feb. 14/82.			26/2/81 555
820	Hidioglou Williams Kramer	Fate of labelled choline administered intraruminally to ewes on manganese deficient or supplemented diets.	Am. J. Vet. Res.	23-01-79	24 July 79	21-01-80	11/2/80 26/2/81 555
821	Fortin	The effect of slaughter weight on the carcass characteristics of yorkshire barrows and gilts.	Can. J. An.Sci.	23-01-79	30-04-80	15-08-80.	26/2/81 555
822	Jenkins	(RESEARCH NOTE) Pancreatic lipase activity in relation to high levels of fat in calf milk replacers.	ditto	23-01-79	10-5-79	4 July 79	16/2/79 by A.L. Stone 20-2-79 26/2/81 555
823	Khan Morris Hidioglou	Microdetermination of total sulfur and inorganic sulfate in biological materials.	Microchem.J.	by Khan, CBRI	by C.R.R.D.	30/10/79.	26/2/81 555
824	Hidioglou Proulx Roubos	25-hydroxyvitamin D levels in plasma of beef cattle.	J. Dairy Sci.	30-01-79	30.4.79	8 Aug. 79	7-4-79 by A.L. Stone 26/2/81 555
825	Gavora and Spencer	Studies of Genetic Resistance of Chickens to Marek's Disease - A Review	Comparative Immunology, Microbiology and Infectious Diseases	06-01-79	18/6/79.	31-1-80 1/2	26/2/81 555  Balance 11/2/80 10.76.



Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
826	Marcus Hackett Robertson	Ovarian Activity and Fertility in sheep maintained under different lighting regimes. <i>Not published</i>	J. Reprod. Fert.	14-02-79			
827	Hidiroglou	Trace element deficiencies and fertility in ruminants: A review	A.D.S.A.	14-02-79	14 June 79	Sept. 21/79 (206)	24/2/81 555
828	Khan Cloutier Hidiroglou	Determination of molybdenum in plant tissue and blood plasma by atomic absorption spectrophotometry.	J. Assoc. Off. Anal. Chem.	submitted by Khan 16-02-79		from Khan 8/11/80	24/2/81 555
829	Marcus Ainsworth Lucis	Cholesterol biosynthesis and progesterone production by chorionic cells of the early sheep conceptus in vitro.	Steroids	20-02-79	13/6/79	200 Dec 4/79	
830	Fortin Sim Talbot	Ultrasonic and ruler measurements of backfat thickness on the hot pork carcass.	Can. J. Anim. Sci.	22-02-79	29/7/80		24/2/81 555
831	Uhtoff Kiar Hidiroglou	<del>Morphological studies of front</del> Limb deformities in lambs.	J. of Pathology	26-02-79 submitted by Univ. of Ottawa	6/2/80	23/6/80	
832	Kramer Hulan Corner Thompson Holfeld Mills	Cardiopathogenicity of soybean oil and Tower rapeseed oil triglycerides when fed to male rats.	Lipids	08-03-79	500 reprints 2 Aug 79 Please check p.c. for correct details	Oct 19/79 640	
833	I.R. Sibbald	Gut clearance and true metabolizable energy value of dehydrated alfalfa supplemented with sodium chloride	Poult. Science	08-03-79	Aug 8/79	May 1/80	24/2/81 555

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
834	Hidiroglou Williams Soddoqio & Khan	The effects of manganese deficiency on the amino acid, hexomine and uronic acid content of neonate lamb cartilage	Am. J. of Vet. Resch.	21/3/79	14 Aug 79	21.01.80	26/2/79 555 11/2/80
835	Robertson, Chan & Friesen	The presence of a pregnancy specific antigen, chorionic somatomammotropin, as an indicator of pregnancy: its application to the ewe.	J. of <sup>Re</sup> Prod. & Fert.	22/3/79	14 Sept. 79	3 March 80	26/2/79 555
836	Robertson Dwyer & King	Maternal recognition of pregnancy and placental attachment in the pig: the administration of oestrogen antisera early in gestation	J. of <sup>Re</sup> Prod. & Fert.	22/3/79	5 Sept 79	3 March 80	26/2/79 555
837	Cave & Williams	A chick assay for availability of lysine in wheat	Poult. Sci. Assn.	26/3/79	30/8/79	5/5/80	26/2/79 555 R.S. Gowe
838	Dorothy S. Walsh Vesely and Mahadevan	Relationships between Milk production and circulating hormone levels in dairy cows	J. of Dairy Sci.	30/3/79	3/Jan/80	14/03/80	R.S. Gowe
839	Tsang & Hackett	Metabolism of estrone sulfate in the pregnant sheep	Theriogenology	4/4/79	18/6/79	30-1-80 (44)	26/2/79 555 R.S. Gowe
840	Shrestha, Peters Heaney	Genetic Parameters of growth traits of lambs reared artificially or with their dams.	C.J. of Anim. Sci. no publication	4/4/79		7/1/80	R.S. Gowe
841	Robertson, Chan Hackett, Marcus and Friesen	The diagnosis of pregnancy in the ewe at mid-gestation	Anim. Reprod. Sci.	10-4-79	10/1/80		26/2/79 555

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
842 ✓	Hamilton Thompson	Effects of sodium plus potassium to chloride ratio in practical-type diets on blood gas levels in three strains of white leg-horn hens and the relationship between acid-base balance and egg shell strength.	Poult. Sci.	17-04-79	29-2-80		26/2/81 SSS
843	Eisen, Nagai Bakker and Hayes	Effect of Litter Size at birth on Lactation in Mice	American Society of Anim. Sci.	Nagai 24/04/79	by Dr Nagai	JUNE 2/80 by D. Nagai	06/2/85 R.S. Gowe
844 x	Jordan, Thompson Ivan & Hidiroglou	Effects of dietary cement kiln dust supplements on growth of lambs	C.J. of Anim. Sci.	25/04/79	31-1-80	29/4/80 28/3/80	R.S. Gowe 28/2/81 SSS
845 1	R.M.G. Hamilton	The effects of Dietary Phosphorous, Vitamin D <sub>3</sub> and 25-Hydroxy Vitamin D <sub>3</sub> Levels on Feed Intake, Productive Performance and Egg and Shell Quality in Two Strains of Force Molted White Leg-	Poult. Sci. Assn.	02/05/79	23 Aug 79		R.S. Gowe 26/2/81 SSS
846 Sept/80	Hackett, Robertson, Wolynetz Additional author	title changed to: "Effects of Prostaglandin F and Pregnant Mares' Serum Gonadotropin (PMSG) <sup>2a</sup> on the Reproductive Performance of Fluorugestone Acetate-PMSG-Treated Ewes"		02/05/79	June 10/81	04-09-81	(26/2/81 SSS R.S. Gowe)
847	I.R. Sibbald	The effects of dietary cellulose and sand on the combined metabolic plus endogenous energy and amino acid outputs of adult cockerels	Poult. Sci. Journal	07/05/79	29 Oct. 79	1/5/80	R.S. Gowe 25/5/81
848	Reid, Buckley, Nicholls, Cave	AN AUTOMATIC FEED DISPENSING SYSTEM FOR POULTRY IN FLOOR PENS no publication	Can. J. of Anim. Sci.	11-05-79	(communication to Dr. Sibbald) not SR/Part #		R.S. Gowe 25/2/81 -3

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
849	Jenkins & Emmons	EFFECT OF FAT DISPERSION MEHTOD ON PERFORMANCE OF POSTNATAL CALVES FED HIGH-FAT MILK REPLACERS	C. J. of Anim. Sci.	14/05/79	30/10/79.	22/2/80	24/2/81 R.S. Gowe
850	Emmons Lister Beckett Jenkins	Quality of protein in milk replacers for young calves. V. Effect of method of dispersing fat on curd formation and whey syneresis.	J. Dairy Sci.	by F.R.I. 17-05-79		1-15/80	
851	Hidiroglou Williams	Fate of Isotopically Labelled Cholecalciferol and 25-Hydroxycholecalciferol in Sheep	Am. D. Sci. Assoc.	29/5/79	27/3/80	6/8/80.	R.S. Gowe 28/2/81
852	Sibbald Kramer	The Effects of Fractions of Yellow Corn on the True Metabolizable Energy Value of Beef Tallow	Poult. Sci. Assoc.	30/5/79	13/03/80	9/08/80	R.S. Gowe 21/2/81 55
853	Hollands Grunder Williams Gavora	Plasma creatine phosphokinase as an indicator of degenerative myopathy in live turkeys	Brit. Poult. Science	31/5/79	2/4/80	used.	R.S. Gowe 28/2/81 55
854	Sauer Lessard McAllister Standish	Evaluation of an Alfalfa Silage-Corn Silage Roughage Feeding Program for Raising Dairy Heifers	Amer. Dairy Sci. Assoc.	6/6/79	19/9/80	11/03/81	R.S. Gowe
855	Langford Marcus Hackett Ainsworth Wolynetz Peters	A comparison of fresh and frozen semen in the insemination of confined sheep  (100 copies for ESRI)	Cdn. Journ. Anim. Sci.	7/6/79	Nov 20/79 200 ARI 100 ESRI	21/2/80	R.S. Gowe 28/2/81 55

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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856	Emsley Dickerson Gowe	Inbreeding effects on layer performance at two levels of protein intake.	Poult. Sci.	11-June-79		June 30/80 300 copies	26/2/91 58
857	Ivan Hidiroglou	Effect of different levels of dietary manganese on growth and manganese metabolism in sheep.	J. Dairy Sci.	20-June-1979	3/Jan/80	14 April 1980	25 April 1980 26/2/91 55
858	Batra	Use of USDA Extension factors for predicting 305-day lactation production in dairy cattle.	Can. J. Anim. Sci.	20-June-1979	Nov. 1/79	21/2/80	26/2/91 5
859	Cipera	Comparison of oviducal tissues isolated at various stages of shell formation from hens producing high or low quality egg shells.	Poult. Sci.	20-June-1979	Sept 25/80		28/2/91 28
860	Nagai, Harris, McAllister	Growth, Feed Efficiency and Lifetime Performance of Crosses between Lines selected for Nursing Ability and/or Adult Weight in Mice	Editor of the Theoretical Applied Genetics	22 June 1979	11 June/80	5 Nov 1980	11/6/79 26/4/91/55
861	Trenholm Warner Farnworth	Gas chromatographic detection of the mycotoxin zearalenone in blood serum	Association of Official Analytical Chemists	25/6/79	09/09/80	Oct 10/80	20/6/79

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
862	Hidiroglou Ivan Proulx Lessard	Concentrations of liposoluble vitamins in the blood plasma of heifers winter-fed oat silage, grass silage or hay - effect of a single intramuscular dose of vitamin D.	Can. J. Anim. Sci.	25-June-1979	30-4-80	15-08-80	19-08-80 26/2/85
863	Sibbald	The effect of heat on the clearance time, true metabolizable energy, and true available amino acids of raw soybean flakes.	Poult. Sci.	26-June-79	July 15/80	Nov 4/80	26/2/85
864	Sibbald	The passage of oat and other feed residues through the adult cockerel.	Poult. Sci.	29-June-79	20-05-80	09-08-80	26/2/85
865	Hackett Robertson	Effect of Dose and Time of a Single injection of prostaglandin F <sub>2α</sub> in cycling ewes.	<sup>Anim.</sup> J. <del>Dairy</del> Sci.  Abstr. Mittell. Pharmacology	29-June-79	rejected J. Anim. Sci. 11-26-79	Oct 31/80	26/2/85
866	Ho Thompson Hidiroglou Proulx	Extent of a hypomagnesaemic condition in beef cows wintered on grass silage and the effect of magnesium supplementation.	Can. J. Anim. Sci. rejected resubmitted	03-July-1979	24-04-81	10-06-81	26/2/85 title changed to Hypomagnesaemia in beef cows wintered in Ontario Can. J. Com. Med.
ESRI I-116			Can. J. Com. Med.	05-Aug.-1980	9.2.80	25.6.80	
867	Sibbald Price	Variability in metabolic plus endogenous energy losses of adult cockerels and in the true metabolizable energy values and rates of passage of dehydrated alfalfa.	Poult. Sci.	06-July-79	(100 reprints - ESRI)		26/2/85
868	Cipera	Source of carbon for the bio-synthesis of eggshell carbonate in the hen 1. Comparison of six 14C labelled compounds as sources of carbon in eggshells, albumen and yolk.	Poult. Sci.	06-July-79	13/03/80	01/08/80	26/2/85

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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869	Boila Erfle Sauer	Evaluation of the Two-Stage Technique for the In Vitro Estimation of the Dry Matter Digestibility of Corn Silage	Cdn. Journ. of Anim. Sci.	10 July 1979	28/4/80	15-08-80	6 July 1979 26/2/81-5
870	Marcus Hackett Robertson	Ram-Induced Synchronization of Estrus in Confined Ewes	Cdn. Journ. of Anim. Science	10 July 1979	10-09-81	11-12-81	6 July 1979
871	Hidiroglou Williams Khan Siddiqui	Amino Acid and Glycosaminoglycan Composition of Epiphyseal Cartilage of Neonate and Osteoporotic Lambs	International Journ. of Vitamin & Nut. Research	11 July 1979	29/10/79.	7/3/80.	9 July 1979 26/2/81-5
872	Nagai	Goals and Achievements in Controlling Lactation of Mice	VII Symposium of Interntl. Cmte. on Lab. Anim.	11 July 1979	23-06-80	60 Reprints by Feb 81 108 rec'd Feb 25	24/2/81-5 10 July 1979
873	Ojamaa Elliot Hartsock	Effects of gestation feeding level on glycogen reserves and blood parameters in the newborn piglet.	J. Anim. Sci.	to be forwarded by Hartsock. (to Hartsock 24-07-79)		10 copies 27/10/80	26/2/81 55
874	Modler Muller Elliot	Economic and technical aspects of feeding whey to livestock.	J. Dairy Sci.	to be forwarded by Modler 25-07-79		Reprints to submitted 8-7-80	26/2/81 55
875	Hackett Robertson Penner McLaughlin	Comparison of two methods of synchronization of estrus in a commercial sheep flock.	J. Anim. Sci. rejected. Submitted CJAS 03.07.80	25-07-79	rejected C. Anim. Sci. 11-26-81 Mar 4/81	Reprints May 11/81	26/2/81 55
876	Elliot King Robertson	Reproductive Performance of the Sow Subsequent to Weaning Piglets at Birth	Cdn. Journ. of Anim. Sci.	27 July 1979	1 Feb 80	29/4/80	26/2/81 55

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
877	Dwyer Robertson	Activity patterns of oestrogen sulphatase and sulphotransferase in the endometrium of the sow and ewe during pregnancy.	J. Reprod. & Fertility	30 July 79	17/06/80	21/10/80	26/2/81 550
878	Mahadevan Erflle Sauer	Degradation of soluble and insoluble proteins by bacteroides amylophilus protease and by rumen microorganisms.	J. Anim. Sci.	30 July 79	20/2/80	03/06/80	26/2/81 550
879	Akhtar Foster	Fate of tetrachlorvinphos and its isomer in soluble fraction (105,000 g) from goose and turkey liver homogenates	J. Agric. Food Chem.	31 July 1979	4/4/80	Aug 27/80	26/2/81 550
880	Hackett Peters	Effect of dose of pregnant mares' serum gonadotrophin on the reproductive performance of ewes synchronized for estrus and housed in total confinement.	Can. J. Anim. Sci. <i>Revised and Resubmitted</i>	10 Aug. 79 7 Oct '80 11/11/80	Feb 03/82	May 20/82	26/2/81 550
881	Langford Marcus Hackett Ainsworth Wolynetz	Influence of Estradiol-17 $\beta$ on Fertility in Confined Sheep Inseminated with Frozen Semen <i>100 reprints to ESRI Cont #1-144.</i>	Jour. of Anim. Science	13 Aug. 79	11-08-80	Nov 26/80	26/2/81 550
882	Grunder Guyer Buss Clagett	Effect of Estradiol on Calcium and Calcium Binding in Serum of Thick and Thin-Shell Lines of Chickens	Poultry Science	21 Aug. 79	<i>Received 10 reprints from Dr Grunder</i>	<i>Dec 21/81</i>	26/2/81 550
883	Marcus Lucis Ainsworth	Metabolism of Progesterone by Chorionic Cells of the Early Sheep Conceptus <u>in Vitro</u>	Steroids	7 Sept. 79	30/10/79		



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884	Farnworth Neish	Analysis of Corn Seeds for Fungi and Mycotoxins	Can. Journ. of Plant Sci.	7 Sept. 79	6/3/80	13/6/80	
885	Teather Erflle Boila Sauer	Effect of dietary nitrogen on the rumen microbial population in lactating dairy cattle	Journ. of Applied Bacteriology	17 Sept. 79	25/08/80	Feb 13/81	
886	Downey Ainsworth	Reversal of Indomethacin Blockade of Ovulation in Gilts by Prostaglandins	Prostaglandins		200 22-01-80	17-4-80	24/2/85
887	Sauer Erflle Mahadevan	Methane production by the membranous fraction of Methanobacterium thermoautotrophicum	Biochemical Journal	26 Sept. 79	24-04-80	2-10-80	
888	Hackett Peters Wolynetz	Comparison of Breeding Methods in Synchronized Sheep Housed in Total Confinement	Can. Journ. of Anim. Sci.	Oct. 4/79 (order 100 reprints for ESRI)	25-09-81	05-03-82	24/2/85
889	Erflle Mahadevan Sauer	The Relationship between Adenylate Energy Charge, Rumen Volatile Fatty Acid concentrations and Rates of Production and Dry Matter Digestibility in the Cow	American Dairy Science Assoc.	22 Oct. 79	Mar 4/81	May 19/81	26/2/85
890	Gavora Spencer Gowe Harris	Lymphoid Leukosis Virus Infection; Effects on Production & Mortality & Consequences in Selection for High Egg Production	Poultry Science	October 23/79	11-06-80	27-10-80	24/2/85
891	Phillips Culley Hore Patni	Pollution potential and corn yields from selected rates and timing of liquid manure applications	Trans. Amer. Soc. Agr. Engineers.	29/10/79		Received 10/10/81 10/10/81	02-06-81 26/2/81

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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892	Batra	Incidence of Subclinical Mastitis in Dairy Cattle	Can. Journ. of Anim. Sci.	20 Nov. 79	29-07-80		26/2/80 55
893	King Atkinson Robertson	Development of the bovine placentome from day 20 to 29 of gestation	J. Reprod. & Fert.	by King.	4/2/80	0.120/80	26/2/81 55
894	Stevenson Voisey, Hamilton	Scanning electron microscopy of fractures in eggshells subjected to the puncture test.	Poultry Science	by Stevenson		Received copy for ...	26/2/85
895	Fortin	Preparation of pig carcasses for chemical analysis <i>NO published</i>	Can. Journ. of Anim. Sci.	10 Dec. 79 <i>not drawn copy 1/80</i>	—	—	26/2/85 April 1/80
896	Friend Wolynetz	Self selection of salt by gilts during pregnancy and lactation.	J. Anim. Sci. <i>u-submitted Can Journal of ASE</i>	12-12-79 25-07-80	20-05-81	20-08-81	July 24/80 26/2/85
897	Langford Ainsworth Wolynetz	Reproductive performance of progestagen-treated sheep in confinement after single or double insemination of fresh semen.	J. Anim. Sci.				
898	Lessard Fisher	Alfalfa fed as formic acid treated silage, dehydrated pellets or hay in mixed rations with corn silage for lactating cows.	Can. Journ. of Anim. Sci.	14 Dec. 79	Nov 26/80	Feb. 24/81	
899	Atkinson King Robertson	Interchange of cells between epithelial layers of the bovine placenta during early gestation	J. Reprod. & Fert.	by King.			26/2/81 55

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
900	Nagai Hunsaker Wolynetz	A system for recording maternal behaviour of lactating mice. 100 E S. R. I	Zwierzeta Laboratoryjne	10-01-80	Aug 1980	25 - Nov 3181	26/2/81/5
901	Akhtar Foster	Metabolism and excretion of tetrachlorvinphos in dairy cows.	J. Agric. & Food Chem.	14-01-80	10/4/80	27/08/80	26/2/81/5
902	Ivan Hidiroglou	The Ottawa Plastic Metabolism Cage for sheep.	Can. J. Anim. Sci.	14-01-80	7/5/80	19/08/80	Out 4/80 26/2/81 55
903	Chan Grinwich Robertson Friesen	Maintenance of luteinizing hor- mone-receptors by placental lacto- gen in pseudopregnant rats.	Bio. of Reprod. no publication	By Chan			26/2/81/5
904	Hamilton Voisey	Egg shell strength: A nightmare in experimental mechanics from a poultry scientists viewpoint.	Fifth Symp. Engineer Applic of Mechanics	06-02-80		Rec'd 2scopies Gratis from symp 06/80	26/2/81/5
905	Ho Hidiroglou Proulx	A silent hypocupremic condition in beef cows fed grass silage and the efficacy of sequestered copper to prevent its occurrence	Annals of Vet. Research	07-02-80	DEC 15/80	Apr. 14/81	26/2/81 55
906	Hamilton Cipera	Effects of dietary calcium levels during the brooding, rearing and or early laying period on feed intake, egg production and shell quality of White Leghorn hens.	Poult. Sci. no publication	13-02-80	13-11-80	19-03-81	26/2/81 55
907	Ivan	Distribution of radiomanganese in the rumen of sheep.	Can. J. Phys. & Pharm.	13-02-80	DEC 15/80		26/2/81 55

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
908	Sibbald	Metabolizable energy in poultry nutrition.	Bio Science	14#02-80	Sept 25/80	Dec 3/80	26/2/81 55
909	Ainsworth, Tsang, Downey Marcus, Armstrong	Interrelationships between follicular fluid steroid levels, gonadotropic stimuli and oocyte maturation during preovulatory development of porcine follicles	Biology of Reproduction	27-02-80	Sept 24/80	Nov 24/80	26/2/81 55
910	Fahmy Friend	Factors influencing, and repeatability of the duration of farrowing in Yorkshire sows	Can. J. of Anim. Sci.			Rec'd 10 fr. Friend May 26/81	26/2/81 55
911	Khan Morris Hidiroglou	Rapid estimation of sulfide in rumen and blood with a sulfide specific ion electrode	Microchem- ical J.			Prospers received 24/9/80	26/2/81 55
912	Hidiroglou Ivan Ihnat	Silicon in Plasma of Sheep	American J. of Vet. Res.	11/03/80	Dec 15/80	Feb 11/81	26/2/81 55
913	Ivan Johnston	Re-entrant cannulation of the small intestine in sheep: cannula and surgical method	J. Ani. Sci.	11/03/80	23/3/81	1/12/81	26/2/81 55
914	Kramer	Comparative studies on composition of cardiac phospholipids in rats fed different vegetable oils.	Lipids	11/03/80	18/08/80	3/11/80 - 4/11/80 24/2/81	
915	McAllister	Are Today's Dairy Cattle Breeding Programs Suitable for Tomorrow's Production Requirements?	Can. J. Anim. Sci.	17/03/80	21-04-80	15-08-80.	



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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
916 ✓	Hidiroglou	Zinc, copper and manganese deficiencies and the ruminant skeleton: A Review.	C.J.A.S.	21-03-80	11-08-80		26/2/81 55
917 ✓	Foster Khan Akhtar	Metabolism of Deethylatrazine, Deisopropylatrazine and hydroxyatrazine by the Soluble fraction (105,000 x g) from goose liver homogenates.	J. Agric. Food Chem.	21-03-80	50-115/80	JAN 2/81	24/2/81 55
918	Tsang Grunder Hollands	Estrogen Sulfates in the Plasma of White Leghorn Laying Hens		resubmitted to Poul. Sci	10-09-81 26-11-80	16-12-81	26/2/81 55
919 ✓	Kramer Fouchard Farnworth	The effect of solvents on the resolution of neutral lipids on chromarods	Journal of Chromatography	27-03-80	25-08-80		
920 FRI 422	Jenkins Mahadevan Emmons	Susceptibility of proteins used in calf milk replacers to hydrolysis by various proteolytic enzymes	Can. J. of Anim. Sci.	27-03-80	Nov 26/80	(101) Feb 24/81	Feb 27/81 26/2/81 55
921 ✓	Hidiroglou Williams	Transfer of tritium labeled vitamin D <sub>3</sub> and 25-hydroxyvitamin D <sub>3</sub> in the ovine placenta.	Amer. Vet. Med. Association	10-04-80	Dec 15/80	Mar 4/81	26/2/81 55
922	Fortin	Fat thickness measured with three ultrasonic instruments on live ram lambs and prediction of cutability	Can. J. of Anim. Sci.	25-04-80	26-11-80	24-02-81	26/2/81 55
923	Patni	Pipeline Transportation of Liquid Manure	Proceedings: Fourth Internat. Symposium on Livestock Wastes	28-04-80			26/2/81 55

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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924	Batra Fiser McAllister	Effect of glycerol equilibration time on survival of bull sperm frozen in pellets.	Can. J. Anim. Sci.	28-04-80	Mar 4/81	May 11, 1981	24/2/81 SS
925	Culley Phillips Hore Patni	Soil Chemical properties and removal of nutrients by corn resulting from different rates and timing of cattle liquid manure applications.	Can. J. Soil Sci.	by Culley			26/2/81 SS
926 x	Hidioglou	Trace elements in the fetal and neonate ruminant: A Review	Can. Vet. J.	12-05-80	26-11-80	17-12-80	22-1-81 24/2/81 SS JCT
927	Trenholm Warner Farnworth	A high performance liquid chromatographic method using fluorescence detection for the quantitative analysis of the mycotoxin zearalenone and a-Zearalenol in blood plasma.	Association of Official Analy. Chemists.	14/05/80		May 11/81	
928	Buckley St. Amour Fairfull	An improved electronic gauge for measuring egg albumen height	Poultry Sci. NO publication	26-06-80 no publication submitted by 1981			26/2/81 SS
929 FRI. 426	Jenkins Emmonds Lessard	Some In Vitro Observations on Factors Affecting Rennet (Chymosin) Clotting of Calf Milk Replacers	Can. Journal Anim. Sci.	06-06-80	20-05-81 FRI - 200	20-08-81	26/2/81 SS
930	Sauer Mahadevan Erfler	Valinomycin Inhibited Methane Synthesis in <u>Methanobacterium Thermoautotrophicum</u>	Biochemical & Biophysical R. Communications	06-06-80	July 15/80	28-08-80	
931	Veira Ivan	Digestion of corn and alfalfa silages in the stomach and small intestine of sheep prepared with two re-entrant cannulas	Cdn. Journ. of Anim. Science	09-06-80	Mar 4/81	May 11/81	04/2/81 26/2/81 SS

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
932	Sibbald	Metabolic Plus endogenous energy and nitrogen losses of adult cockerels: The correction used in the bioassay for true metabolizable energy.	Poultry Science Assoc.	09-06-80	Mar 4/81	April 15/81	26/2/91 JS June 9/80
933	Hamilton Thompson	The effects of storage duration on non-destructive deformation, quasi-static compression strength, impact fracture and specific gravity of eggs from White Leghorn hens.	Poultry Science Assoc.	10-06-80	Mar 4/81	Received April 8/81	26/2/91 JS June 10/80
934	Cave	The effect of intermittent light on carcass quality, feed efficiency and growth of broilers.	Poultry Science Assoc.	20-06-80	Mar 4/81	Rec'd May 2/81	26/2/91 JS June 18, 1980
935	Elliot	The Prospects of Survival for the low birth weight piglet	Can. Journal of Anim. Science	23-06-80 no publication			26/2/91 JS June 20, 1980
936	Teather	Isolation of Plasmid DNA from <u>Butyrivibrio fibrisolvens</u>	Plasmid.	10-07-80	DEC 24/81	MAR 9/82	09-07-80
<del>937</del>	<del>Kramer Farnworth Thompson Corner</del>	<del>The effect of dietary fatty acids on the incidence of cardiac lesions and changes in the cardiac phospholipids in male rats.</del>	<del>Progress Chem Bacteriology of Fats and Other Lipids</del>	<del>24-11-80 11-07-80</del>			<del>10-07-80</del>
937 LSRT I-202	Hackett Wolynetz	Reproductive Performance of confined sheep bred with semen stored at 5°C	Can. Journal of Anim. Sci. *	24-07-80			26/2/91 JS July 21, 1980
938 LSRT I-207	Hackett Wolynetz	Effect of PMSG on the Reproductive Performance of Confined Ewes Bred at Synchronized Estrus	Can. Journal of Anim. Science	24-07-80	Feb 03/82		26/2/91 JS July 21, 1980
			*Rejected re-submitted to C J of Comp Med	02-10-81	MAY 03/82		





Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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947	Friend Lodge Elliot	Effect of energy and dry matter intake on age, body weight and backfat at puberty and on embryo mortality of gilts	Journal of Anim Science	9-9-80	25-05-81	04-09-81	26/2/83 July 83
948	Patni Phillips, Hore Culley	Groundwater Quality Near Concrete Manure Tanks and Under Heavily Manured Cropland (E.S.R.I. - I-222) L.R.R.I - 86	Canadian Agricultural Engineering	11-9-80	11-08-81	04-12-81	26/2/83 Dec 1/82 RSG
949	Akhtar Foster	Tetrachlorvinphos Metabolism in Laying Hens	Journ. of Agri. & Food Chemistry	11-9-80	20-05-81	09-09-81	26/2/83
950	Farnworth Trenholm	THE EFFECT of Acute Administration of the Mycotoxin Zearalenone to Female Pigs	Journal of Environ. Sci. & Health Part B	11-9-80	DEC 15/80	21-09-81	July 4/83
951	Hidiroglou Knipfel	Maternal-fetal relationships of copper, manganese, and sulfur in the ruminant	Journ. of Dairy Sci.	25-9-80	14-07-81	16-12-81	12/1/81 26/2/81 25
952	Sarkar Lodge Elliot	Effect of a skim milk supplement on growth and body composition of suckled pigs	Cdn. Journ. of Anim. Science	08-10-80	20-05-81	20-08-81	Aug 10/83 26/2/81 RSG
953	Price Aherne Lodge Elliot	Growth and carcass characteristics of gilts which did or did not reach puberty (first ovulation) before market weight	Anim. Production <i>to be submitted by the author</i>			Received in Report Jun 182	Aug 10/83 RSG 26/2/81
954	Fortin Chambers	Specific Gravity of the Carcass and its parts as predictors of carcass composition in broiler chickens	Poult. Science	08-10-80	10-09-81	16-12-81	26/2/81 25
955	Cave	Effect on diurnal programs of nutrient intake on performance of broiler-breeder hens.	Poult. Sci.	10-10-80	06-04-81	14-08-81	Dec 7/82 RSG 26/2/81 25

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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956	Fortin Martin Fredeen, Sim Weiss	Evaluation of different ruler and ultrasonic backfat measurements as predictors of commercial and lean yield of hog carcasses for commercial grading purposes.	Cdn. Journal of Anim. Sci.	10-10-80	10-11-81	05-03-82	26/2/91 JS Aug. 12/83 BG
957	Chambers Gavora Fortin	Genetic Changes in Meat-type chickens in the last twenty years	Cdn. Journ. of Anim. Sci.	20-10-80	17-08-81	12-11-81	July 83 24/2/91 JS
958	Marcus	Prostaglandin formation by the sheep embryo and ... pregnancy	Biol. of Reproduction	20-10-80	20-05-81	04-04-81	
959 ESRI I-232	Hamilton Thompson	Effects of the sequence of measuring non-destructive...hens NO publication	Poult. Sci.	13-11-80	10-06-81	09-09-81	Dec 7/82 BG 24/2/91 JS
960	Hidiroglou Hidiroglou	Kinetics of Intravenously Administered <sup>47</sup> Ca <sup>3</sup> in Sheep...	J. of Dairy Science	14-11-80	04-03-82	20-05-82	19/1/82 BG 26/2/91 JS
961	Hackett Langford Robertson	Fertility of ewes after synchronization of estrus with prostglandin...insemination	Therogenology	17-11-80	12-06-81	29-09-81	26/2/91 JS
962	Jenkins Kramer Emmons	Digestion of fat in calves fed milk replacers...dispersion	J. of dairy sci.	17-11-80	31-08-81	10-11-81	17/1/81 26/2/91 JS 26/2/91 JS
963 ESRI I-244	Hidiroglou Williams	Trace elements status of copper deficient fetal lamb	A. J. V. R.	24-11-80	15-12-81	29-04-82	July 4/83
964	Batra Lee	Extending records in Progress to 305-day lactation production by using USDA Extension Factors	Cdn. Journ. of Anim. Sci.	24-11-80	11-08-81	11-12-81	24/2/91 JS
965	Fiser Chambers	Determination of Male Fertility in 13 Commercial Lines of Broiler Parents	Poult. Sci.	26-11-80	31-08-81	10-11-81	26/2/91 JS
966	Elliot Lodge Larmond Fortin	Reproductive Performance, Growth and Carcass characteristics of the.....postpartum	Anim. Prod.	02-Dec.80	19-01-82	27-05-82	Aug 12/83 JS 24/2/91 JS

rejected  
re submitted Can. J. Anim. Sci. June 24/81

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
967	Fairfull Boughton Corbett Gavora Kaplansky Slinn	The Use of Portable Entry Terminals for Recording Egg Production	Poult. Sci.	Dec. 4, 1980	29-07-81	25-11-81	24/2/81 S.S. July 83
968 ES.R.I. 1-250	Langford Ainsworth Wolynetz	Reproductive Response of progestagen-treated sheep in confinement...insemination	Journ. Anim. Science	Dec. 10, 1980	13-11-81	22-02-82	26/2/81 S.S. July 83
969	Jenkins	Pepsin and pancreatin supplemen- tation of calf milk replacer containing soy protein	Cdn. Journ. of Science	Dec. 10, 1980	20-05-81	20-08-81	Aug. 10/83 26/2/81 S.S. P.S.G.
970	Fiser Ainsworth Langford	Effect of osmolality of skim-milk diluent and thawing rate on cryosurvival of ram spermatozoa	Cryobiology	Dec. 10, 1980	20-05-81	04-09-81	July 83 26/2/81 S.S.
971	Dewar Sibbald Wight	The contribution of anorexia to reduced growth in zinc-deficient chicks.	Brit. Poult. Sci.	submitted by Dewar 28-01-81		Dr. Sibbald	24/2/81 S.S.
972	Lee Burnside Kennedy Smith Chicoine	Comparison of Finnish and Canadian Ayrshire Proven Bulls	Can. J. Anim. Sci.	28 Jan 81	June 3/81	July 21-81	26/2/81 S.S.
973	Hackett Batra	Reproduction in three lines of dairy cattle housed in a total confinement system.	Can. J. Comp. Med.	29-01-81	25-09-81		
974	Bennett, Dickerson, Gow McAllister Emsley	Net genetic and temporary epistatic or maternal environmental responses to selection for egg production in chickens	Genetics	to be submitted by Dickerson	19-11-81	April 17/82	



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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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975 I-254	Hackett, Dwyer Robertson Wolynetz	Reproductive Performance of sheep housed in total confinement	Animal Product.	Feb. 13/81 12/11/81	Nov 10/82	Jan 18/83	26/2/81 SS Feb 1/84
978 I-268	Mahadevan Sauer, Erfle Teather Morse	Changes in Ammonia Concentration, bacterial counts, pH and volatile fatty acid concentration in rumen of cows fed alfalfa hay or concentrate: Urea-corn silage	Br. J. of Nut. rejected re-submitted to Can. J. Anim. Sci.	Feb. 27/81 June 22/81	FEB 26/82	May 20/82	9 Nov 85 26/2/81 SS
979 x	Ainsworth Lachance, Labrie	Effect of GnRH-Induced Endogenous LH Release and Exogenous Progestagen Treatment on Ovarian Activity in the Postpartum Ewe	J. of Anim. Sci.	Feb. 27/81	26-02-82	June 29/82	July 83 26/2/81 SS
980	Sarkar Elliot	The Effects of Undernutrition of Suckling Pigs on Subsequent growth and body ...rehabilitation	J. of Anim. Sci	Mar. 2/81	Apr. 24/83	Aug 30/83	Aug. 26/85 26/2/81 SS RSG
981	Martin, Freeden, Weiss Fortin, Sim	Yield of trimmed pork product in relation to weight and backfat thickness of the carcass	Coln J Anim Sci NO Publication	to be submitted by Martin		Received 10 Copies Sept	4/81 26/2/81 SS
982 /	Nagai McAllister	Expected Performance under Repeated Hybrid Male Cross and Criss Cross Mating Systems	Theor. & Apl. Genetics	Mar. 2/81	13.11.81	Rec March 03/82	26/2/81 SS
983 x	Langford Marcus	Influence of Sperm Number and Seminal Plasma on Fertility of Progestagen-treated sheep in confinement	J. of Reprod. & Fert.	Mar. 2/81	18.03.82	Aug 19/82	26/2/81 SS Aug 13/83 RSG
984 x	Langford	Influence of PMSG and time of Artificial Insemination on Fert. of Progestagen-treated sheep in confinement	J. of Anim. Sci.	Mar. 2/81	16 APR. 82	July 12/82	Aug. 12/83 26/2/81 SS RSG
985	Thompson, Hamilton, Voisey	Relationships among various egg traits relating to shell strength among and within five avian species	Poultry Science	by senior author			26/2/81 SS

NO Publication



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986 ESRI I-273	Hamilton, Grunder, Thom- pson, Hollands	Relationship between blood ionized calcium levels and shell strength of eggs laid by white leghorn hens	Poult. Sci. Assoc. Inc		08-09-81	21-12-81	2/2/81 SS Dec 3/82 RSG
987	Sibbald	Metabolic plus endogenous energy excretion by fowl	Poultry Sci.	Mar.10/81	22-10-81	01-03-82	24/11/55 Dec 7/82 RSG
988	Fortin	Carcass Composition of Yorkshire Barrows and gilts slaughtered between 85 and 112 Kg body weight	Can. J. of Anim.Sci.	Mar.19/81	12-02-82	May 20/82	Aug 13/83 RSG 24/11/55
989	Ivan, Veira	Effect of dietary protein in the solubilities of manganese, cooper, zinc & iron in the stomach of sheep fed hourly	Can. J. of Anim.Sci.	Mar. 20/81	22-10-81	05-03-82	22/4/83 RSG 24/11/55
990	Fiser, Langford	The Effect of Sodium Pentobarbital and storage time on preservation of ram spermatozoa motility at 5C	Can.J.Anim. Sci.	Apr. 1/81	5 Nov 81	05-03-82	Aug 13/83 RSG 24/11/55
991	Robertson, Dwyer, King	Biologically active fetal and maternal estrogens during pregnancy in the pig NO Publication	Endocrinology	April 1/81			24/11/55
992 L	Sauer, Erfle Mahadevan	Evidence for an Internal Electrochemical Proton Gradient in <u>Methanobacterium thermoautotrophicum</u>	J. of Bio. Chem.	April 3/81	17-08-81	26-11-81	
993	Uhthoff Finnegan, Hidioglou Healey	Epiphysiolysis, a Possible Cause of Front Limb Deformities in Lambs	Vet. Pathology	to be submitted by Dr. Uhthoff		7 from A. Lind	
994 y	Sibbald	Effects of tea and coffee on excretion of energy and nitrogen in cockerels	Nutrition Reports International	Apr. 10/81	10-11-81	12-03-82	Dec 7/82 RSG 24/11/55
995	Gavora, Spencer Chambers	Performance of meat-type chickens test-positive and -negative for lymphoid leukosis virus infection	Avian Pathology	April 13/81	27.11.81	22-03-82	July 7/83 26/11/55

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
996	Hidiroglou, Morris, Ivan	Chemical composition of sheep bones as influenced by molybdenum	J. Dairy Sci.	May 1st/81	Feb 26/82	May 12/82	2/2/81 SSS
997	Fortin	Growth and Development in Yorkshire Gilts: Effect of two different planes of nutrition	Can. J. Anim. Sci.	May 7/81	—	—	2/4/81 SSS
998	Friend Elliot	Drop Farrowing as an Aid to Sow Management and Piglet Survival	Can. J. Anim. Sci.	May 8/81	Oct 13/81	05-03-82	July 83 2/2/81 SSS
999 F.R.I. 467	Jenkins, Emmons, Larmond, Sauer	Soluble, partially-hydrolyzed fish protein concentrate in calf milk replacers.	J. Dairy Sci.	May 8/81	04-03-82	07-06-82	July 82 2/2/81 SSS
1000	Veira, Proulx, Thompson, Ivan	Effects of stage of maturity of grass harvested for silage in N. Ontario on the performance of growing steers.	Can. J. Plant Sci.	May 27, 1981	20-11-81	26-02-82	17 2/2/81 SSS 7/80/85 SSS
1001	Foster, Akhtar	High performance liquid chromatography of Fenvalerate	J. of Chromatography	June 4/81	10-09-81	14-12-81	2/4/81 SSS
1002 P. 137	Farnworth, Kramer, Thompson, Corner	The Role of Dietary Fatty Acids on Lowering the Incidence of Heart Lesions in Male Rats	J. Nutrition	June 5/81	23-12-81	22-03-82	Dec 7/82 RSG
1003	Gill, Robertson, Betz	In Vivo Estrogen Synthesis by the Developing Chicken (Gallus gallus) Embryo	Gen. and Comp. Endocrinology	June 15/81	0d 20/82		2/4/81 SSS
1004 I-272	Kramer, Farnworth, Thompson, Corner, Trenholm	Reduction of myocardial necrosis in male albino rats by manipulation of dietary fatty acid levels	Biochimica et Biophysica Acta	June 15/81	19 APR. 82	16-06-82	July 4/83
1005	Shrestha, Peters, Heaney	Growth Performance of lambs sired by rams of the East Friesian, Finnish Landrace, Ile de France and Suffolk Breeds	Can. J. Anim. Sci.	June 24/81	Sept 15/81	June 6/82	Aug 10/83 2/2/81 SSS RSG
1006 x	Erfle, Boila, Teather, Mahadevan, Sauer	Effect of pH on fermentation characteristics and protein degradation by rumen microorganisms	J. Dairy Sci.	June 24/81	May 18/82	Sept 23/82	SSS 2/2/81

Research

No publication saturated

submitted to Special Oct 7/81

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1007	Sibbald	Measurement of Mineral Bioavailability: Extension of true metabolizable Energy Methodology	Poultry Sci. Metabolism & Nutrition	June 25/81	Feb 02/82	Apr 27/82	26/2/81 DEC 7/82 RSG
1008	Sibbald, Morse	Variation among gross energy values measured by two modes of Adiabatic Oxygen Bomb Calorimetry	Poultry Sci.	June 29, 1981	Feb 26/82	JUNE 2/82	DEC 7/82 RSG 5526/2/81
1009	Hidiroglou, Proulx	Effect on calf growth of prepartum injection of vitamin D <sub>3</sub> or 25-hydroxyvitamin D <sub>3</sub> to beef heifers	Can. J. Anim. Sci.	July 3/81	Jan 17/83	April 22/83	May 12/83 RSG 26/2/81 555
1010	Carnegie, Chan McCully, Robert Friesen	The Cellular Localization of Chorionic Somatomammotropin in Ovine Chorion	J. of Reprod. & Fertility	July, 1981	MAY 31/82	Nov. 1/82	553 26/2/81
1011	Gavora, Chesnais Spencer	Estimation of Variance, Variance Components and Heritability in Populations Affected by Disease: Lymphoid leukosis in chickens.	Theor. & Appl. Genetics	July 21, 1981	Mar. 30/83	July 26/83	26/2/81 555
1012	Hidiroglou Proulx	Factors affecting the calcium, magnesium and phosphorus comp. of beef cattle milk	Can. J. of Comp. Medecine	July 23, 1981	Feb 20/82	April 21/82	26/2/81 26/2/81 555
1013	Hamilton	Methods and Factors that Affect the Measurement of Egg Shell Quality	Poult. Sci	Aug., 1981	Aug 12/83	Feb 7/82 Aug 15/83	26/2/81 555
1014	Ivan, Lamand Kelleher Mason	A technique for the exchange of duodenal digesta between cannulated sheep used.....compounds	Annales de R. Vet.	to be submitted by M. Lamand		Aug 7/82	no from 26/2/81 July 4/83 26/2/81 555
1015	Schang Hamilton	Comparison of two direct bioassays using adult cocks and four indirect methods for estimating the..... feedingstuffs	Poult. Sci.	July 29/81	MAY 3/82	Aug 6/82	Dec 3/82 RSG 26/2/81 555



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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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1016	Sibbald Fortin	Preparation of dry homogenates from whole and eviscerated chickens	Poult.Sci.	July 30/81	19-01-82		26/2/81 552
1017	Akhtar	Fate of Trichlorfon in Buffer, and Soluble Fraction (105,000 xg) from Cow and Chicken Liver Homogenates	J. Agricultural & Food Chemistry	Aug.4/81 "1"	19-01-82	July 5/82	26/4/81 552
1018 ESRI I-322	Ainsworth Wolynetz	Synchronization of estrus and reproductive performance...pessary	J. of Anim.Sci.	Aug.7/81	04-03-82	July 2/82	Nov 30/82 R56 26/4/81
1019	Neish Farnworth Cohen	Zearalenone and trichothecene production by some <u>Fusarium</u> species associated with Canadian grains	to be submitted by Neish to C.J.Plant Pathology			rec'd 10 from journal Sci 1/82	Jan. 14/83 R56
1020	Sibbald Elliot Stothers Atwal	Comparison of bioavailable energy values of diets measured with poultry and swine	C. J. of Anim. Sci. <i>revised submitted to Animal Feed Science &amp; Technology</i>	Aug 24/81 May 24/82		Jan 27/83 May 16/83	Aug 26/85 R56 555
1021 FRI 472.	Teather Wood	The Use of Congo Red-Polysaccharide Interactions in the Enumeration and Characterization of Cellulolytic Bacteria from the Bovine Rumen	J. of Applied and Env. Microbiology	Aug. 26/81	18-02-82		
1022	Hidiroglou Hartin	Vitamin A, E and selenium blood profiles in fat cow syndrome	<i>new sub. to</i> C.J. of Anim. Sci.	Aug.26/1981		June 27/82 Aug 16/82	555/4/81 R56 Aug 26/82
1023	Gavora Liljedahl McMillan K. Ahlen	Comparison of three mathematical models of egg production	Br. Poult.Sci.	Aept.4/81		June 18/82 Oct 12 82	555/4/81 R56 July 83
1024	Ivan Lamand	The Influence of Intraruminal and Intraduodenal Infusion of Picolinic Acid on Metabolism of <sup>65</sup> Zn in Sheep	Ann.Rech.Vet.	to be submitted by Dr.Lamand		Aug 7/82	10 from M. Chuan July 4/83 555/4/81
1025	King Atkinson Robertson	The Early Stages of Placentation in domestic ungulates	<i>J. of Reprod &amp; Fertility</i>	to be sent by King		Mar 10/83 C19	



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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1026 * FRI 476 ESRI I-330	Farnworth, Kramer, Jones, Thomson Corner	The Effect of Commercial Processing on the Nut. and Cardiopathological Quality of Low....Rapeseed Oil	G. Inst. of Food Sci. & Tech. Journal	Oct. 2/81	Mar 3/83	June 23/83	June 26/83 RSG.
1027 ESRI I-395	Trenholm, Cochrane, Cohen Elliot, Farnworth, Friend, Hamilton, Neish Standish	Survey of Vomitoxin Contamination of the 1980 Ontario White Winter Wheat Crop	J. of Assoc. of Off. Analyt. Chemists	Oct. 2/81	Nov. 15/82	Sept. 29/83	24/2/85
1028 E.S.R.I. I-336	Sibbald Morse	Pooling Excreta Prior to Calorimetry in the Bioassay for True Met. Energy...Variance	Poult. Sci.	Oct. 2/81	Jan. 8/82	Sept. 12/82	24/2/85
1029 *	Poncet Ivan Leveille	Electromagnetic measurements of duodenal digesta flow in cannulated sheep	Reproduction, Nutrition and Development Journal	to be submitted by Poncet		Dec 13/82	Aug. 12/83 From M. J. VAN 24/2/85
1030 FRI 478	Jenkins Emmons	Method for preventing clotting of whole milk and milk replacer by chymosin in calf abomasum	Cdn. J. of Anim. Sci.	Oct. 13/81	MAY 31/82	Aug 31/82	Jan 24/83 RSG 26/2/81 553
1031 L	Kelleher Ivan, Lamand, Mason	Studies on the absorption of labelled molybdenum compounds in sheep fitted with ....duodenum	J. of Comp. Pathology	to be submitted by Lamand			April 26/83 24/2/85 RSG.
1032 L	Poncet, Ivan	Gastrointestinal electrical activity and digesta flow in normal and cannulated sheep	Amer. Journ. of Physiology	to be submitted by Poncet	Recd 10 from M. Elvan		June 17/85 24/2/85 RSG.
1033	Fairfull, Crober, Gowe	Effect of Dubbing on Laying Stock Performance	World's Poultry Congress-1982 Submitted to Poultry Sci.	sent to Friars Oct. 30/81 Dec. 16/82	Jan 18/85	Apr. 24/85	Aug. 26/85 RSG. 24/2/85

Contribution No.	Authors	Title	Sent to Editor	Reprints Order	Reprints Rec'd	File Reviewed by Director
1034 x	Cave Hamilton	<p style="text-align: center;">141</p> <p>The Effect of phase feeding on egg production and egg quality of winter-housed white leghorn hens.</p> <p>Can. J. Anim. Sci.</p>	3-Nov-81	Sept 15/82	Dec 13/82	24/4/85
1035 ESRI I-356 x	Grunder, Lefkovitch Chambers Gavora	<p>Plasma and Production traits in commercial broiler parent stocks.</p> <p>Poult. Sci.</p> <p>Can. J. Anim. Sci.</p>	3-Nov-81	Jan 5/83	April 22/83	
1036 ESRI F352 x	Hidiroglou Williams Hackett	<p>Plasma levels of copper, iron and zinc during the estrous cycle of the ewe</p> <p>International J. Vit. Nutr. Res.</p>	3-Nov-81	Feb 20/82	June 8/82	15/2/82 SCST 26/2/85
1037 x	Cave	<p>Effect of short- and medium-chain fatty acids on feed intake by chicks.</p> <p>Poult. Sci.</p>	5-11-81	May 3/82	June 16/82	Dec 7/82 RSG 06/4/85

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ont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1038	Friend Whittemore Barber	A NOTE on the Growth and Serum Protein of Piglets Deprived of Creep Feed	Anim. Prod.	Nov. 4/81	Oct 25/82	Feb 3/83	2/4/83 SSS
1039	Veira Ivan	The effect of dietary protein on digestion and fermentation in the gastrointestinal tract of sheep	Annal. of Vet. Research	16 Nov. 81	Oct 25/82	May 13/83	Nov 25/83 2/4/83 SSS
1040	Cohen Hidiroglou	Clean-up and determination of low levels of vitamin D <sub>3</sub> in sheep plasma by high performance liquid chromatography	J. of Food & Agric. Chem.	23 Nove. 81	Rec'd 10 from Dr Hidiroglou	June 13/84	Nov 25/83 5/5/84 SSS
1041	Tsang Grunder	Effect of active immunization against estradiol on egg shell quality.	Poult. Sci.	23 Nov. 81	Apr. 27/83	July 22/83	Aug 25/83 5/24/84 SSS
<del>1042</del>	<del>Gavora Longenecker</del>	<del>New histocompatibility haplotypes and marek/s disease</del>	<del>World's Poultry Congress 82</del>	<del>23 Nov. 81</del>			
	<del>Spencer Grunder</del> Batra McAll	Semen Quality, Fertility and Body Measurements of Pureline and Crossline Dairy Bulls	C. J. Anim. Sci	Mar. 12/82			
1043	Winter Fairfull Gowe Emsley	Diallel Cross of Six Long-Term Selected Leghorn Strains with Emphasis on Heterosis and Reciprocal Effects.	Brit. Poultry Sci.	08-12-81	Feb 16/83	July 19/83	2/4/83 SSS
1044	Hidiroglou Veira	Plasma Amino Acid Levels in the Fat Cow Syndrome	Ann. Vet. Res.	14 Dec. 81	June 24/82	Jan 17/83	July 4/83 2/4/83 SSS
1045	Langford Marcus Batra	Seasonal Effects of PMSG and Number of Inseminations on Fertility of Progestagen-Treated Sheep.	J. Anim. Sci.	14 Dec. 81	June 6/83	Oct 12/83	16/3/87 2/4/81 SSS JIE

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1046	Teather	Maintenance of Laboratory strains of obligately anaerobic rumen bacteria.	J. Appl. & Environ. Microbiol.	15-12-81	June 24/82	Sept 22/82	
1047 I-366	Patni Toxopeus Tennant Hore	Bacteriological Quality of tile drainage water from manured and fertilized cropland	Int'l Assoc. on Water Pollution Res.	16-12-81	Aug. 25/83	Jan. 13/84	24/11/55
1048	Heaney Shrestha Peters	Performance of lambs fed milk replacers having two levels of fat	C.J. Anim. Sci.	22-12-81	Sept. 13/82	Dec 6/82	Aug. 12/83 24/11/55 RSG
1049	Fiser Ainsworth + airfull	Cryosurvival of Ram Spermatozoa in Hypertonic and Isotonic Diluents	C.J. Anim. Sci.	22-12-81	MAY 31/82	Aug. 31/82	26/11/55
1050	Shrestha Ainsworth Heaney Smith	Application of controlled reproduction to sheep flocks in Newfoundland.	Can. J. Anim. Sci.	30-12-81	Sept. 15/82	Dec 6/82	Aug. 12/83 24/11/55 RSG
1051	Ainsworth Lachance Labrie	Characteristics of the induced preovulatory LH discharge in ewes treated with progestagens administered by intravaginal sponge or subcutaneous implant with and without PMSG treatment at implant or sponge removal.	Anim. Prod. Sci.	31-12-81	Jan. 11/83	June 29/83	Aug. 12/83 24/11/55 RSG
1052 ESRI # I-368	Farnworth Thompson Kramer	Quantitative Determination of Lipids on Chromarods	J. Chromatography	06-Jan.-82	16 APR-82	July 1/82	Dec 7/82 RSG
1053	Reid, Ivan Buckley	An Automatic Digesta Sampler for Sheep	Agric. Eng. J.	To be sent by ESRI		1/0. from ID. sent to Dept 1/82	Sept 11/83 24/11/55 RSG



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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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1054 ESRI I-371	Hackett Wolynetz	Effectiveness of Photoperiod... Schedule	J. Comp.Med.	Jan. 12/82	Sept 17/82	Oct 20/82	26/4/83
1055	Thompson Hamilton	Comparison of the precision and... specific gravity of eggs <i>no publication</i>	Poult.Sci.	to be submitted by E.S.R.I.			24/4/83
1056	Jenkins	Effect of acid-precipitated casein... on rennet clot.	J. Dairy Sci.	Jan.18/82	June 18/82	Oct 7/82	Jan 24/83 RSG.
1057	Akhtar	Reaction of Trichlorfon with Diazomethane	J.of Agr.and Food Chem.	Jan.19/82	Aug 16/82	Jan 6/83	Aug 15/83 26/4/83 RSG. 557
1058 FRI 487 ESRI I-376	Friend, Elliot, Fortin Larmond Wolynetz Butler	Reproductive Performance and Meat Production of Gilts Bred at Puberty and Restricted in Feed Intake	C. J. of Anim. Sci.	Jan. 25/82	Sept 3/82	Dec 14/82	24/4/83
1059	Lin, Batra, McAllister, Darisse, Lee, Roy, Vesely Winter	Differences Among Sire Groups in Body Measurements and body weight changes in lactating cows	C. J. of Anim. Sci.	Jan. 25/82	Jan. 5/83	April 23/83	
1060 ESRI I-374	Wolynetz, Fortin, Hoskins	Revaluation of Fat Thickness as an Index of Commercial and Lean Yield in Hog Carcasses <i>resected</i>	to be submitted by E.S.R.I. <i>no publication</i>	—	—	—	26/4/83 555
1061	Vesely McAllister, Lee, Batra Darisse, Roy Winter	Cow... traits from five Res.Station in Pureline Phase of the Cdn. National Dairy Cattle Breeding Project	To be submitted by Vesely to J. Dairy Science				
1062	Hidiroglou, Morris, Proulx	Changes in plasma iodine levels in beef cattle turned out to spring grass	Tierphysiology	Feb.02/82		✓	July 4/83 26/4/83 555

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1063	Hidiroglou	Selenium in the ruminant genital system and mammary glands: A Review	Ann Vet. Res.	Feb. 02/82	Sept 13/82	Mar. 23/83	Nov 30/82 255
1064	Hidiroglou	Blood Plasma Levels of Calcium, Iron, Magnesium ..... Environment	J. Dairy Sci.	Feb. 15/82	July 12/82	Feb 22/83	Nov 30/82 255
* 1065 ESRI 1-385	Hackett, Wolynetz	Reproductive Performance of Confined Sheep.... Regimes	Theriogenology	Feb. 15/82	Dec 7/82	Feb. 24/83	Feb 1/84 255
1067	Shrestha Ainsworth Heaney	Influence of polled dorset, suffolk and north country..... season	C. J. Anim. Sci.	Mar. 2/82	Nov 18/82	April 23/83	May 9/83 255 RSG
1066	Ivan, Veira Hidiroglou	The effects of Thiosalicylic and hydroxyethyl-ethylene-diaminetriacetic acids on the absorption and of..... dosed sheep	C. J. of Phys. & Pharm.	Feb. 25/82	Oct 2/82	Feb 9/83	Feb 11/83 255 RSG
1068 I 330	Sibbald, Morse	The effects of feed input and excreta collection time on... true metabolizable energy	Poult. Sci.	Mar. 17/82	Sept 27/82	Feb 3/83	255
1069	Lee, McAllister Batra, Darisse Emsley, Roy, Winter, Vesely	Heifer Growth in Several Strains of Holsteins and Ayrshires and in Progeny of Ayrshire Cows Mated to Brown Swiss Sires and.... Red Bulls	C. J. Anim. Sci.	Mar. 17/82	Nov 15/82	Jan 18/83	255
* 1070 ESRI I-398	Friend, Trenholm, Elliot, Thomson Hartin	Effect of Feeding Vomitoxin-Contaminated Wheat to Pigs	C. J. Anim. Sci.	Mar. 18/82	Nov. 15/82	Mar 18/83	Aug. 26/85 255 RSG
1071	Saio, Nagai	Evaluation of actual selection indices with a new computer simulation program <i>Re-submitted</i>	J. Heredity THEORETICAL AND APPLIED GENETICS	Mar. 30/82 Nov 4/82	From J. Nagai MAY 1/84	✓	255
1072	Cave	Effects of Body Weights and Hatching Egg Production... Day of Hatching <i>No Publication</i>	Poult. Sci.	March 30/82	Oct 5/82	Feb 14/83	Aug 26/85 255 RSG

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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1073	Fortin, Hoskins Sim	Characteristics of the Hog Carcasses in Canada - 1981	G.J.A.Sci.	Mar.30/82	July 22/83	Nov. 15/83	Aug 26/85 RSG
1074	Batra, Roy, McAllister, Darisse, Lee, Vesely, Winter	Comparison among sire groups in conception rate, .....their mates	C.J.A.S.	Mar.30/82	Sept 7/82	Dec. 6/82	26/12/81 SSG
X 1075	Jenkins, Emmons	Evidence for beneficial effect of chymosin-casein clots in...performance	Nutrition Reports Int'l	Mar.30/82	July 5/82	June 29/83	June 14/83 26/12/81 RSG
1076	Ivan, Veira	Duodenal Flow and Soluble Proportions of Zinc.....Sheep	C.J.A.S.	Apr.5/82	Sept 2/82	Dec 14/82	26/12/81 Jan 7/83 RSG
X 1077	Hackett, Hidiroglou	Effects of PMSG on progesterone levels in Ewes Treated with Fluorogestone Acetate...F2 "	Animal Reproduction Science Re-submitted	Sept. 20/82	Oct 5/83	Feb 22/84	Apr. 6/84 26/12/81
1078 ESRI I-400	Hidiroglou Thompson	Blood Plasma iron in beef cattle turned out to pasture	Livestock Prod. Science	Apr. 13/82	Nov 29/82	May 20/83	Nov 30/83 26/12/81 RSG
1079	Grunder, Hollands, Tsang	Plasma Estrogen Levels in Relation to Blood Calcium and Shell Quality	Poultry Science	Apr. 16/82	MAR 18/83	July 20/83	
1080	Sibbald	Measurement of bioavailable energy in poultry feedingstuffs	C.J.A.S.	Apr. 23/82	Dec 3/82	Jan 14/83	26/12/81 Aug 26/85 RSG
1081 x	Akhtar	Gas Chromatographic Determination of Deltamethrin in Biological Samples	J.Chromatography	Apr. 28/82	July 6/82	Sept 23/82	July 83 26/12/81
1082 x	Heaney, Shrestha, Peters	Potential Alternatives to Lamb Milk Replacer for the Artificial Rearing of Lambs	C.J.A.S.	Apr. 28/82	Nov. 22/82	Jan 16/83	Nov 30/83 26/12/81 RSG
1083 x	Grunder	Uterine Adenosine Triphosphatase in Relation to Shell Quality	Poultry Science	Apr. 28/82	Jan 12/83	Feb 14/83 APR. 5/83	Apr 15/83 26/12/81



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					Ordered	Received	
1084 I-407	Farnworth, Hamilton, Thompson, Trenholm	Liver Lipid Levels in White Leghorn Hens Fed Diets That Contained Wheat Contaminated by Deoxynivalenol (Vomitoxin)	Poultry Science	May 4/82	Feb. 11/83	May 31/83	June 22/83 RSG
1085 I-406 x	Sibbald, Morse	Effects of the Nitrogen Correction and of Feed Intake on True Metabolizable Energy Values	Poultry Science	MAY 4/82	Oct 4/82	Feb 14/83	Aug 26/85 RSG
1086 x	Schang, Sibbald, Hamilton	Comparison of Two Direct Bioassays using Young Chicks and Two Internal Indicators for Estimating the Metabolizable Energy Content of Feedingstuffs	Poultry Science	May 10/82	Oct 4/82	Rec'd.	Aug. 26/85 RSG
1087 x	Sibbald	The Effect of Grinding on the True Metabolizable Energy Value of Hull-less Barley	Poultry Science	May 12/82	Sept. 9/82	Jan 26/83	26/1/85 SSS
1088	Erfle, Mahadevan, Teather Sauer	The performance of lactating cows fed urea-treated corn silage in combination with soybean or fish-meal containing concentrates.	C.J.A.S.	May 12/82	Jan 7/83	Apr. 23/83	26/1/85
1089	Jenkins, Emmons	Inhibitory effects of certain fatty acids, chelating agents and other substances on chymosin clotting of skimmilk	J. of Dairy Science	May 14/82	March 3/83	May 17/83	June 14/83 26/1/85 SSS RSG
1090 x	Batra, McAllister, Chesnais, Darisse, Emsley, Lee, Roy, Vesely, Winter	Heifer reproduction in the pureline foundation phase of the National Cooperative Dairy Cattle Breeding Project Comparison of the Heifer Reproduction Traits of the Daughters of Several Sire Groups.	C.J.A.S.	May 19/82	Apr. 11/83	July 25/83	5/10/87 26/1/85 SSS RSG
1091 x	Fortin, Friend, Sarkar	Carcass Characteristics of Yorkshire Boars and Barrows	C.J.A.S.	May 20/82	July 27/83	Nov 15/83	Aug. 26/85 RSG



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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1092	Sauer, Kramer	The Problems Associated with the Feeding of High Erucic Acid Rapeseed Oils and Some Fish Oils to Experimental Animals (Chapter 11)	Academic Press	by Res.Br.			
1093	Franworth	The Composition of Diets Used in Rapeseed Oil Feeding Trials (Chapter 13)	Academic Press	by Res.Br.			
1094	Sauer, Kramer	The Metabolism of Docosenoic Acids in the Heart. (Chapter 14)	Academic Press	by Res. Br.			
1095	Kramer, Sauer	Results Obtained with Feeding Low Erucic Acid Rapeseed Oils and Other Vegetable Oils to Rats and Other Species (Chapter 17)	Academic Press	by Res. Br.			
1096	Kramer, Sauer	Cardiac Lipid Changes in Rats, Pigs and Monkeys Feed High Fat Diets Chapter 18)	Academic Press	by res. Br.			
1097	Heaney, Shrestha, Peters	Rapeseed Oil Versus Coconut Oil as a Source of Fat for Lamb Milk Replacers	Can J Anim Sci	June 15/82	Nov. 22/82	Jan 18/83	Nov 30/83 26/2/81
1098	Nagai, McAllister, Chesnais	Male and Female Contributions to Heterosis in Lifetime Performance	Theor. & Appl. Genetics	June 17/82	Feb. 27/84	June 26/84	26/2/81 455
1099	Thompson Hidiroglou	Effect of Large Oral and Intravenous Doses of Vitamins D2 and D3 on Vitamin D Levels in Milk	Journal of Dairy Science	Submitted by Senior Author			Jan 25/85 26/2/81 188

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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1100	Spencer Gilka GAVORA	Studies on Lymphoid Leukosis in Chickens	Avian Pathology	By A.D.R.I. Senior Author		✓	35 26/2/91
1101	Fraser	The Role of Behavior in Pig Production: A Review of Research	Applied Animal Ethology	June 25, 1982	Oct. 5/83	Mar 13/84	35 26/2/91 Aug. 26/85 RSC
1102	Teather Mahadevan Erflle Sauer	A negative correlation between protozoal and bacterial levels in the bovine rumen and its relation to the determination of dietary effects on the rumen microbial population	Applied & Environmental Microbiology	July 6, 1982 Resubmitted May 13/83.	Jan 31/84	Apr 9/84	
1103	Mahadevan Teather Erflle Sauer	Effect of Formaldehyde Treatment of Soybean Meal on <u>In Vivo</u> and <u>In Vitro</u> Rates of Protein Degradation and on Bacterial and Protozoal Protein Concentration in the Bovine Rumen	Canadian Journal of Animal Science	July 6, 1982	Jan 7/83	Apr. 23/83	Nov 22/85 26/2/91
1104	Fortin Grunder Chambers Hamilton	Live and Carcass Characteristics of Four Strains of Male and Female Geese Slaughtered at 173, 180, and 194 days of age	Poultry Science	July 6, 1982	April 29/83	July 29/83	Oct 12/85 26/2/91 RSC 555
1105	Veira Ivan Jui	Rumen Ciliate Protozoa: Effects on digestion in the Stomach of Sheep	American Dairy Science Assoc.	July 27, 1982	Jan 14/83	June 7/83	Nov 25/85 26/2/91 555
1106	Ivan Inhat Veira	Flow and Soluble Proportions of Zinc, Manganese, Copper and Iron in the Gastrointestinal Tract of Sheep Fed Corn or Alfalfa Silages	Canadian Journal of Animal Sci.	July 27/82	Jan 6/83	Apr 22/83	April 26/83 26/2/91 RSC 555
1107	Sibbald	"Provision of Supplemental Feed and the Application of a Nitrogen Correction in Bioassays for True Metabolizable Energy	Poultry Science Assoc.	Aug. 19/82	May 26/83	Aug 19/83	Aug 26/85 26/2/91 RSC 555

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1108 x	Shrestha, Peters, Heaney	Inheritance of Weights of Lambs Reared Artificially or with their Dams	Canadian Journal Animal Science	Aug. 20/82	Apr. 14/83	July 25/83	Aug. 12/83 RSG.
1109 y	Fiser Fairfull	Effects of Changes in Photoperiod on Freezability of Ram Spermatozoa	Cryobiology	Aug. 25/82	July 29/83	Jan. 17/84	20/10/83 5:5
1110 y	Khan Akhtar	Photodecomposition of Chlorothalonil in Benzene	Pesticide Science, U.K. by C.B.R.I.	Aug. 30/82		Sept 28/83	Feb 1/84 20/11/83
1111 x	Akbar, Gavora Friars, Gówe	Composition of Eggs by Commercial Size Categories: Effects of Genetic Group, Age and Diet	Poultry Science	Aug. 31/82	MAR 31/83	June 28/83	July 5/83 RSG.
1112 x	Hidiroglou	The Fate of Tritium-Labeled Vitamin D <sub>3</sub> and 25-Hydroxyvitamin D <sub>3</sub> in Rabbit Doe and its Neonate	Journal of Dairy Science	Sept. 9/82	Nov. 9/83	Mar 1/84	Jan 9/84 20/10/83 RSG JIE
1113	Ivan, Ihnat Veira	Solubility and Flow of Calcium Magnesium and Phosphorus in the Digestive Tract of Sheep given Maize or Alfalfa Silages	Animal Feed	Sept. 10/82	Apr. 29/83	Sept 10/83	Nov 16/84 20/10/83 RSG
1114	Veira, Fortin Ivan, Butler Proulx	Performance of Hereford x Shorthorn Bulls and Steers Raised in Northern Ontario and Fed Different Levels of Grass Silage and High Moisture Barley	Canadian J. of Animal Science	Sept. 22/82	Oct. 7/83	Sept 27/84	Nov 16/84 20/10/83 RSG
1115	Farnworth Kramer	The Effect of Dietary Fatty Acids on Growth and Carcass Composition in the Rat	Nutrition Reports International	Oct. 1/82	Feb. 3/83	May 24/83	June 13/83
1116	Neish, Farnworth Greenhalgh & Young	Observations on the Occurrence of <u>Fusarium</u> Species and their Toxins in Corn in Eastern Ontario No publication	Canadian Journal of Plant Pathology	By BRI Senior author Oct. 6/82			June 23/83 RSG



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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1117	Khan, Akhtar	In Vitro Release of Bound (Non-extractable) Atrazine Residues from Corn Plants by Chicken Liver Homogenate and Bovine Rumens Liquor	Journal of Agriculture Food Chem.	by CBRI Senior author Oct. 6/82		July 5/83	July 5/83 R50
1118	Akhtar	Metabolism of Fenvalerate by a Chicken Liver Enzyme Preparation	Journal of Agricultural & Food Chemistry	Oct. 7/82	May 25/83	Nov 14/83	Jan 1/84 R55
1119	Lin, McAllister Batra, Lee, Roy, Vesely, Winter	Reproduction and Survival of Crossline and Pureline Heifers NO Publications	Journal of Dairy Science	Oct. 27/82			
1120	Batra, McAllister, Lee, Lin, Roy Vesely, Wauthy, Winter	Body Weights and Dimensions of Pureline and Crossline Heifers of the Canadian Dairy Cattle Breeding Project	Canadian Journal of Animal Science	Oct. 29/82	July 27/82	Nov 15/83	5/10/87 R55
1121	Batra, McAllister	Incidence of Subclinical and Clinical Mastitis in Pureline and Crossline Dairy Cattle	Canadian Journal Animal Science	Nov. 4/82	Oct 11/83	Jan 27/84	July 27/87 R55
1122	Sarkar Kramer Wolynetz Elliot	Fat deposition and fatty acid biosynthesis in the neonatal pig	Can. J. Anim. Sci.	March 2/84	Jan. 31/85	May 10/85	Jan 8/86 R55
1123	Chambers Fortin	Live Body and Carcass Measurements as Predictors of Chemical Composition of Carcasses of Male Broiler Chickens	Poultry Science	Nov. 9/82	Sept 6/84	Apr. 1/85	Aug 26/85 R55



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1124	Hackett, McAllister	Onset of Estrus in Dairy Cows Maintained Indoors Year Round	Journal of Dairy Science	Nov. 17/82	June 7/84	Sept 20/84	26/2/91 SSS
1125	Lee, Wardrop	Predicting Dairy Milk Yield, Fat Percent and Proteins Percent from AM or PM values	Journal of Dairy Science	Nov. 22/82	Nov. 29/83	Mar. 20/84	5/10/87 26/2/91 EEL SSS
1126	Schramm, Friesen, Robertson, McCracken	The Effect of Exogenous Ovine Placental Lactogen on Luteolysis Induced by Prostaglandin F <sub>2a</sub> in Sheep <i>No Publisher</i>	Journal of Biology and Reproduction	To be submitted by McCracken			26/2/91 SSS
1127	Hidiroglou Williams Shkorrock	Vitamin D <sub>3</sub> response in sheep to oral versus parenteral administration and to intramuscular dose levels of vitamin D <sub>3</sub>	Canadian J. of Animal Science	Nov. 18/83	<del>May 3/84</del> Aug 13/84	Nov 26/84	Sept 14/84 26/2/91 RSG SSS
1128	Hidiroglou Knipfel	Zinc in Mammalian Sperm: A Review	Journal of Dairy Science	Dec. 15/82	Apr. 17/84	July 26/84	26/2/91 SSS
1129	Atwal	Effects of Preserving Alfalfa Forage as Formic Acid Treated Silage, Wilted Silage and Hay in Large Round Bales on Chemical Composition, Recovery of Nutrients, Digestibility and Heifer Growth	Canadian J. of Dairy Science	Dec. 15/82	Nov 18/83	Jan 27/84	March 7/84 26/2/91 SSS
1130	Friend, Kramer Fortin	Fatty Acid Composition of Muscle and Depot Fat from Different Strains of Geese	Journal of Food Science	Dec. 21/82	June 22/83	Nov 28/83	Aug. 26/85 26/2/91 RSG SSS
1131	Cave	Effect of Dietary Propionic and Lactic Acids on Feed Intake by Chicks <i>No Publisher</i>	Poultry Science	Dec. 21/82	Oct. 24/83	Feb 20/84	Aug 26/85 26/2/91 RSG SSS

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1132	Heaney Shrestha Peters	Effects of Post-Weaning Protein Regimens and Urea on the Performance of Intensively Reared Lambs	Canadian Journal of Animal Science	Jan. 4/83	July 11/83	Nov 15/83	5/22/84 Nov 20/83 RSG
1133	Tsang Grunder	Prepubertal Plasma Estradiol and Total Calcium Levels in Two Strains of White Leghorns in Relation to Egg Shell Quality	<del>Poultry Science</del> General and Comparative Endocrinology Archiv für Gellunde Journal of Dairy Science	Jan. 4/83 June 4/84 Aug 29/84		✓	May 14/85 4/18/85 RSG
1134	Hackett, Batra McAllister	Estrus Detection and Subsequent Reproduction in Dairy Cows Continuously Housed Indoors	Journal of Dairy Science	Jan. 7/83	Aug 31/84	Nov 16/84	5/22/85
1135	Farnworth Trenholm	A Comparison of the Effects of the Mycotoxin Zearalenone on Male and Female Piglets	Canadian Journal of Animal Science	Jan. 10/83	Oct. 11/83	Jan 27/84	
1136	Chambers, Fortin Grunder	Relationships Between Carcass Fatness and Feed Efficiency and its Component Traits in Broiler Chickens	Journal of Poultry Science	Jan. 12/83	Aug. 22/83	Nov. 28/83	5/25/84 Aug 26/85 RSG
1137	Marcus, Connor Domingo, Tsang Downey, Ainsworth	Enzymatic Dissociation of Ovarian and Uterine Tissues	Journal of Reproduction and Fertility	Jan. 10/83	May 3/84	Oct 18/84	
1138	Faris Atwal	Effects of cutting schedules on yield, forage quality and stand vigor of six alfalfa (Medicago sativa L.) cultivars" <i>no publication</i>	Can. J. Plant Sci. <i>Rejected</i> Mar. 2/83	To be submitted by T. Rajhathy Jan. 12/83			5/22/84 188
1139	Ainsworth Shrestha	Effect of Type of Intravaginal Progestagen Treatment on Estrous Response and Reproductive Performance of Ewes	Theriogenology	Jan. 31/83	June 22/83	Nov. 4/83	Feb 1/84 20/4/84 55

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1140	Miller, Young Trenholm	Fusarium Toxins in Field Corn	C. J. Botany	To be submitted by C.B.R.I.	10 copies Dr Miller	10 copies Dr Miller	
1141	Shrestha Fiser Langford Heaney	Environmental Factors Affecting Testicular Measurement of Growing Rams housed in Total Confinement	Can. J. An. Sci	Feb. 10/83	Oct 13/83	Jan 27/84	Feb 6/84 26/1/84
1142	Nagai, Yokoyama	Long-term Reproduction in Mouse Populations of Different Origin	Z. Versuchstierk	Apr. 3/84	Nov 27/83	rec'd 60 26/1/84	26/1/84
1143	Friend, Trenholm, Fiser Thompson & Hartin	Effect on Dam Performance and Fetal Development of Deoxynivalenol (vomitoxin) Contaminated Wheat in the Diet of Pregnant Gilts	Can. J. Anim. Sci.	Feb. 17/83	July 20/83	Nov 14/83	Aug 26/85 PSG 26/1/84
1144	Fairfull Garwood, Spencer, Gowe, Lowe	The Effects of Geographical Area, Rearing Method, Caging Density and Lymphoid Leukosis Infection on Adult Performance in Egg Stocks of Chickens	Poultry Science	Feb. 21/83	Sept 23/83	June 84	July 9/84 JFE 26/1/84
1145	Harris Gavora Spencer	Studies on Lymphoid Leukosis in Chickens	Theoretical & Applied Genetics	Feb./83	By Perdue	10 copies 2	26/1/84
1146	Thompson Grunder, Hamilton Hollands	Repeatability of egg shell quality measurements within hen	Poultry Sci.	Feb. 24/83 To be submitted by ESRI		✓	
1147	Fortin Jones, Haworth	Pork Carcass Grading: A Comparison of the New Zealand Hennessy Grading Probe and the Danish Fat-O-Meater	Meat Science	March 1/83	Aug. 22/83	Feb. 20/84	Aug. 26/85 25G 26/1/84



Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1148	Gavora Spencer	Breeding for Immune Responsiveness and Disease Resistance	Animal Blood Groups & Bio-chemical Genetics	March/83	Sept 7/83	Jan 9/84	2/6/21/85
1149	Lin, Lee	Computing Sums of Squares in a Two-Way Cross Classification Model With Interaction <i>NO Publication</i>	American Statistician	March 8/83			
1150	Akhtar	The fate of <sup>insecticides</sup> <del>pesticides</del> in economic animals	Shell Toxicology Laboratory	Feb. 24/83		Recd 10 from Dr AKhtar	Aug 27/85 2/6/21/85 RSG
1151	Liljedahl, Gavora Fairfull, Gowe	Age Changes in Genetic and Environmental Variation	Theoretical and Applied Genetics	March 10/83	Oct 18/83	May 9/84	July 25/84 2/6/21/85
1152	Jenkins Emmons	Fortification of calf milk replacers with amino acids in free form or plastein-bound	Canadian J. Animal Science	March 21/83	Oct 7/83	Jan 27/84	Feb 20/84 2/6/21/85
1153	Hidiroglou Knipfel	Mammary transfer of vitamin D <sub>3</sub> in lactating ewes	Can. J. Comparative Medicine	March 22/83	Dec 2/83	Feb 14/84	Feb 28/84 2/6/21/85
1154	Farnworth, Kramer, Corner, Thompson	The methionine and choline status of rat diets and their effects on nutrition and myocardial lesions	The Journal Nutrition	March 25/83	Nov. 9/83	Feb 1/84	
1155	Jones, Fortin Atin	A comparison of methods to detect pork quality 24 hours post mortem from measurements made within one hour of slaughter	Can. Inst. Food Su. & Tech. J.	March 28/83 To be submitted by Jones		rec'd.	Jan 21/87 2/6/21/85
1156	Fortin, Jones Haworth	The Accuracy of the New Zealand Hennessy Grading Probe and the Danish Fat-O-Meater in Measuring Fat Thickenss and Muscle Depth in Pork Carcasses	Animal Production	Apr. 7/83	May 28/84	Aug 9/84	Aug. 26/85 2/6/21/85 RSG



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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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1157	Zhang, Akhtar Khan	Reaction of diazomethane with chlorthalonil <del>NO Publication</del>	Chemosphere	April 19/83 by CBRI	Rec'd 10 from CBRI Feb 1/84	✓	Feb 1/84 2/9/84
1158	Fraser, Sibbald	The effects of precision feeding on the behaviour of adult cockerels	Poultry Sci.	April 27/83	Aug 20/83	Nov 25/83	Aug 26/85 26/11/85 RSG
1159	Grunder, Hollands, Gavora, Chambers, Cave	Degenerative Myopathy of the <u>M. supracoracoideus</u> and Production Traits in Strains of Meat-Type Chickens	Poultry Sci.	April 27/83	Feb 10/84	May 1/84	
1160	El-Banna, Hamilton, Scott, Trenholm	Non-transmission of Deoxynivalenol (Vomitoxin) to Eggs and Meat in Chickens Fed Deoxynivalenol-Contaminated Diets	J. Agriculture & Food Chemistry	May 2/83 by P.M. Scott H & W	Jan 30/84 100 from PM Scott	✓	Jan 7/88 2/5/88 RSG
1161	Jenkins Emmons	Tolerance of calves to fat peroxides in milk replacer	Journal of Dairy Science	May 6/83	Jan 9/84	July 4/84	2/5/84
1162	Sibbald Wolynetz	A Longitudinal Study of Energy and Nitrogen Excretion by Fasted Cockerels	Poultry Science	May 16, 1983	Feb 10/84	May 1/84	Aug 26/85 2/5/85 RSG
1163	Kramer	A complete separation of lipids by three directional TLC	Lipids	June 14/83	Oct. 13/83	Jan 26/84	
1164	Sibbald Morse	A preliminary investigation of the utilization of true metabolizable energy by chicks	Poultry Sci.	June 15, 1983	Feb 1/84	May 24/84	Aug 26/85 2/5/85 RSG
1165	Akbar, Lin, Gyles, Gavora, Brown	Some aspects of selection indices with constraints	Poultry Sci.	July 11/83	July 25/84	Oct 19/84	2/5/85

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1166	Langford, Shrestha, Fiser, Ainsworth, Heaney, Marcus	Improved diagnostic accuracy by Repetitive ultrasonic pregnancy testing in sheep a,b	Theriogenology	July 11/83	May 18/84	Aug 24/84	16/3/87 24/11/87 JIE
1167	Atwal, Sauer Erfle	Effects of storage conditions for large round bales on recovery and quality of alfalfa hay	Canadian J. Anim. Sci.	July 21/83	April 12/84	July 26/84	Nov. 16/84 2/10/85
1168	Fitzpatrick Cote, Trenholm	Zearalenone: Absorption, Excretion and Tissue Deposition in Swine	Can. J. Physiol. <del>NO Publication</del>	July 21/83			
1169	Bernon Shrestha	Sexual Activity Patterns in Pure and Crossbred Rams	Can. J. of	July 21/83	Dec 9/84	Feb 14/84	Feb 26/84 2/4/85
1170	Akhtar	Metabolism of deltamethrin by cow and chicken liver enzyme preparation	J. of Agric. & Food Chem.	July 22/83	Nov. 23/83	May 16/84	May 23/84 250
1171	Fraser	Some factors influencing the availability of colostrum to piglets	Animal Production	July 25/83	May 23/84	Oct 10/84	Aug 26/85 256
1172	Sauer Mahadevan Erfle	Methane synthesis by membrane vesicles and a cyto-plasmic cofactor isolated from <u>Methanobacterium thermoautotrophicum</u>	Biochemical Journal	Nov. 15/83	May 15/84	Aug 27/84	Apr 23/85 256
1173	Reid Chambers Nicholls	Four Body Measurement instruments for Poultry <del>NO Publication</del>	Can. J. Animal Science	To be submitted by E.S.R.I.			
1174	Shrestha Heaney, Fiser Langford	Influence of breed, birth date, age and body weight on linear body measurements of growing rams maintained in a controlled environment	Can. J. Anim.	Aug. 16/83	April 4/84	July 26/84	Aug 15/84 256 24/2/91
1172A	Fiser Fairfull	The effect of glycerol concentration and cooling velocity on cryosurvival	Cryobiology	July 83	May 24/84	Nov 15/84	Aug 15/84 256

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1175	Veira, Butler Ivan, Proulx	The effect of Avoparcin offered in a free-choice mineral mixture on the growth of beef heifers	Canadian J. Anim. Sci.	Aug. 16/83	Jan 12/84	May 14/84	24/1/85 11/02/85
1176	Hidiroglou Williams	Vitamin D <sub>3</sub> levels in certain sheep Tissues at various times after the intramuscular administration of vitamin D <sub>3</sub>	Int. J. Vitamin Research	Aug. 22/83	Jan 5/84	Aug 13/84	July 9/84 26/1/85 JIC
1177	Grunder Tsang	Effects of Vitamin D <sub>3</sub> deficiency on Adenosine Triphosphatase Activity of Jejunums from White Leghorn Hens	Poultry Sci.	Aug. 22/83	Feb 27/84	May 17/84	
1178	Lessard Sauer McAllister	Evaluation of an alfalfa silage-silage roughage feeding program for lactating cows. NO Publication	Can. J. Anim. Sci.	Aug. 25/83			
1179	Fraser Nicholls Fagan	A sow milking machine designed to compare the yield of different teats	J. of Agric. Eng. Research	Sept. 1/83	April 2/85	Aug 29/85	Jan 13/85 26/1/85
1180	Fraser, Lin	An attempt to estimate teat quality of sows by hand milking during farrowing	Can. J. Anim. Science	Sept. 2/83	Jan 5/84	May 14/84	Aug 26/85 26/1/85 RSC
1181	Fraser	Machine milking of sows without injected oxytocin. <del>NO Publication</del> Rejected NO	Can. J. Anim. Science	Sept. 2/83			26/1/85
1182	Hamilton Trenholm	Chemical and nutritive content of white winter and spring wheats contaminated with deoxynivalenol (Vomitoxin)	Animal Feed Sci & Technology	Sept. 7/83	July 30/84	Nov 26/84	Aug 26/85 26/1/85 RSC



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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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1183 X	Sibbald Wolynetz	The relationship between apparent and true metabolizable energy and the effect of a nitrogen correction	Poultry Sci.	Sept. 8/83	Apr. 16/84	July 23/84	26/2/85 RSC
1184	Erfle, Sauer, Mahadevan, Teather	Chromatographic separation and some properties of the B-1,3- and B-1,4-glucanases from <u>Bacteroides succinogenes</u> and <u>Ruminococcus flavefaciens</u>	J. Dairy Sci. no publication	March 30/84			
1185	Mahadevan Erfle, Sauer	Separation of azo-casein and feed protein degrading proteases from mixed bovine rumen microorganisms	Journal of Animal Science no publication	Sept. 9/83	rejected		Nov 25/85 24/2/85
1186	Spencer, Gilka, Gavora Wright	Distribution of lymphoid leukosis virus and p27 group specific antigen in tissues from laying hens	Avian Diseases no publication	Sept. 9/83 To be submitted by A.D.R.I.	Apr 11/84 by ADRI	July 24/84	July 35/84 26/2/85
1187	Fraser Phillips	Design of a Two-Tiered Pen for Growing Pigs Rejected Jan. 1/84	Canadian Agric. Eng. Journal	Sept. 26/83			26/2/85
1188	Lin, McAllister Batra, Lee, Roy, Vesely Wauthy, Winter	Reproduction Performance of Crossline and Pureline Dairy Heifers	J. of Dairy Sci.	Oct. 6/83	Sept. 8/84	Feb. 6/85	
1189	Hackett Wolynetz	Fertility of ewe lambs maintained indoors year-round on an accelerated breeding program	Journal of Animal Science	Oct. 17/83	Sept 4/84	Jan 23/85	Aug. 26/85 24/2/85 RSC
1190	Gavora Spencer	Effects of Lymphoid Leukosis Virus Infection on Response to Selection	18th Poultry Science Symp.	Oct. 5/83	Sept 18/84	Jan. 18/85	26/2/85



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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1191	Friend, Wolynetz, Robertson	Effect of feeding frequency on age and weight of confined gilts at puberty, and some related breeding phenomena	<i>rejected</i> Journal of Animal Science <i>re-submitted</i> Environ. Reprod. Sci	Oct. 20/83  Aug 30/84	Feb 19/88	July 7/86	July 10/86 26/1/85
1192	Fortin, Veira Froehlich, Butler, Proulx	Carcass characteristics and sensory properties of Hereford x Shorthorn bulls and steers fed different levels of grass silage and high moisture barley	Journal of Animal Science	Oct. 20/83	Mar 22/85	July 11/85	Jan 8/86 24/1/85
1193	Cave	Stimulation lighting of meat-type pullets	Poultry Science	Oct. 21/83	MAR. 15/84	June 29/84	Aug 28/85 24/1/85 RG
1194	Akhtar, Foster	Metabolism of fenvalerate in laying hens <i>Rejected Jan 184</i>	<i>No Publication</i> Agricultural & Food Chemistry	Oct. 31/83			Feb 27/84 24/1/85
1195	Batra, McAllister	A Comparison of Mastitis Detection Methods in Dairy Cattle	Canadian J. of Anim. Science	Oct. 31/83	May 8/84	July 26/84	26/1/85
1196	Ainsworth Tsang, Marcus Downey	Prostaglandin production by dispersed granulosa and theca interna cells from porcine pre-ovulatory follicles	Biology of Reproduction	Nov. 3/83	May 22/84	Aug 23/84	Nov 14/84 26/1/85 35
1197	Tsang Ainsworth Downey Marcus	Differential production of steroids by dispersed granulosa & theca interna cells from developing porcine preovulatory follicles	Biology of Reproduction	Nov. 3/83	<i>Rec'd 10 from C.A.</i>	✓	Oct 27/85 24/1/85
1198	Tsang Grunder	Production, Clearance Rates and Metabolic Fate of Estradiol-17B in the Plasma of the Laying Hen	Steroids	Nov. 14/83	Apr. 26/84	Jan 31/85	Apr 21/85 26/1/85 35

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1199	Elliot, Senft Erhardt, Fraser	Isolation of lactoferrin and its concentration in sows' colostrum and milk during a 21-day lactation	Journal of Animal Science	November 18/83	Aug 23/84	Nov. 6/84	26/84/4/5/5 Aug 26/85 RSG
1200	Heaney, Hidioglou, Shrestha, Ho	Effects of dietary calcium and phosphorus ratios and intramuscular injections of vitamin D <sub>3</sub> on growth, serum parameters and leg abnormalities of lambs reared in a controlled environment.	Canadian Journal of Animal Science	Nov. 22/83	Feb. 1/85	May 10/85	June 4/85 26/84/9/1 RSG 555
1201	Sibbald Wolynetz	Variation among aliquots of entire chicken homogenates	Poultry Science	Nov. 22/83	April 16/84	July 20/84	Aug 26/85 26/84/1 RSG 555
1202	Fairfull Chambers	Breeding for Feed efficiency: Poultry	Can. J. of Animal Science	Nov. 28/83	Aug 22/84	Nov 22/84	26/1/91 555
1203	Chambers Bernon Gavora	Synthesis and Parameters of New Populations of Meat-Type Chickens	Theoretical and Applied Genetics	Nov. 28/83	May 31/84	Dec 27/84	Aug 26/85 26/84/1 RSG 555
1204	Shrestha, Fiser Ainsworth	Raddle Markings and presence of Spermatozoa in Vaginal Smears as Indicators of Ewes Lambing to Matings at the Synchronized Estrus	Can. J. of Animal Science	Nov. 28/83	Aug 14/84	Nov 26/84	Dec 1/84 RSG - 51E 26/1/91 555
1205	Lin McAllister	Monte-Carlo comparison of four different methods for estimation of genetic parameters in the univariate case	J. of Dairy Science	Nov. 30/83	Sept. 7/84	Nov. 23/84	
1206	Luft, Lai, Robertson	Distribution of alpha-fetoprotein in amniotic and allantoic fluids of the fetal pig	J. of Reprod. & Fertility No publication	To be submitted by senior author Dec 2/83			

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1207	Hackett, Wolynetz	Reproduction Performance of Finnish Landrace and Suffolk Sheep Maintained Indoors Year-Round	Journal of Animal Science	Dec. 13/83	Dec 10/84	April 1/85	26/2/84 Dec 3/85 RSG
1208	Patni, Jui	Changes in nitrogen content of dairy cattle liquid manure during anaerobic storage	Canadian Agric.	Dec. 15/83			
1209	Heaney, Shrestha, Peters	Postweaning performance of artificially reared lambs weaned at 21 vs 28 days of age under two post-weaning housing regimens	Canadian J. Anim. Sci.	Dec. 23/83	Aug 14/84	Nov 26/84	Jan 9/85 RSG 26/4/84 JSS
1210	Batra, McAllister	Relationships among udder measurements, milking speed, milk yield and CMT scores in young dairy cows	Canadian J. Anim. Sci.	Dec. 23/83	Oct. 22/84	Feb 14/85	July 21/87 26/4/81 JSS
1211	Cave	Effect of a high-protein diet fed	Poultry Sci.	Dec. 23/83	July 11/84	Sept 24/84	Aug 26/85 RSG
1212	Fiser, Batra	Effect of equilibration time at 5°C on survival of ram spermatozoa frozen in straws	Can. J. of Anim. Sci.	Jan. 4/84	Aug 10/84	Nov 26/84	Apr 22/85 26/4/85 RSG
1213	Lin	Robustness of F-Test statistics against the choice of initial variance ratio in the context of the mixed model procedure	Journal of Dairy Science No publication	Jan. 4/84			
1214	Hamilton, Thompson	Observations on daily variation in feed intake and shell strength of eggs from White Leghorn Pullets and force molted hens.	Poultry Science	Jan. 4/84	Oct 2/84	Feb 19/85	25/2/84 Jan 8/86 RSG
1215	Langford Marcus Hackett	Ram sperm penetration in bovine cervical mucus	Journal of Reproduction and Fertility No publication	Jan. 4/84			



Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1216	Levine Robertson Marcus	Very early pregnancy diagnosis in cattle	Animal Reproduction Science	Jan. 4/84	Feb 28/85	July 19/85	
1217	Trenholm Warner Fitpatrick	A rapid, sensitive high performance liquid chromatographic method using an internal standard for the analysis of zearalenone and $\alpha$ - and $\beta$ -zearalenol in wheat	J. Assoc. Offic. Anal. Chemists	Jan. 4/84	10 photo copies	10 photos covers 27 reprints	
1218	Bernon Chambers	Maternal and sex-linked genetic effects in broiler parent stocks	Poultry Science	Jan. 6/84	Oct. 31/84	Feb 28/85	26/2/85
1219	Sibbald Wolynetz	The nutrient content of menhaden NO Publication	Poultry Science	Jan. 9/84	Aug 7/84	Oct 17/84	26/2/85 RSG
1220	Jenkins	Selenium in Nutrition (book chapter) NO Publication	National Academic Press	Jan. 11/84			
1221	Lee, Drevjany	Beefing traits in crossbred and pureline dairy steers	Can. J. Anim. Science	Jan. 18/84	April 2/85	July 16/85	26/2/85 July 16/87 RSG
1222	Khan, Zhang, Akhtar	Bound residues of deltamethrin in bean plants	Submitted by CBRI - J. Agric & Food Chem.	Jan. 24/84		10 copies recd 3/84	26/2/85
1223	Zhang, Khan Akhtar, Ivarson	Persistence degradation and distribution of deltamethrin in an organic soil under laboratory conditions	Submitted by CBRI - J. Agric & Food Chem.	Jan. 24/84	Jan. 31/85	Recd 10 from Dr Akhtar	Aug 27/85 RSG
1224	Thompson, Kramer, Farnworth,	The relationship of body weights with incidence and severity of myocardial necrosis in male albino rats	Submitted by ESRI-Nutrition	Jan. 24/84	ordered by ESRI	Sept 4/84	



Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1225	Trenholm Hamilton, Friend, Thompson, Hartin	Feeding trials with vomitoxin (deoxynivalenol, DON) contaminated wheat: effects on swine, poultry and dairy cattle	American Vet. Medical Assoc. Journal	Jan. 25/84	July 30/84	Oct 24/84	
1226	Friend, Trenholm, Young, Thompson, Hartin	Effect of adding potential vomitoxin (deoxynivalenol) detoxi- cants or an inoculated corn supple- ment to wheat diets fed to pigs	Canadian J. of Animal Science	Feb. 6/84	Aug 17/84	Nov 26/84	Aug 26/85 26/2/91 555
1227	Hackett Batra	<del>Factors affecting</del> The incidence of cystic ovaries in dairy cattle housed in a total confinement system	Canadian J. of Comparative Medicine	Feb. 7/84	Jan 9/85	Apr 3/85	26/2/91-55
1228	Jenkins	Distribution of clot-inhibiting free fatty acids in ultracentrifugal fractions of reconstituted skim milk powder	J. Dairy Sci.	Feb. 9/84	Oct 3/84	Dec 27/84	Apr 11/84 Jan 9/85 24/2/91 RSC. 555
1229	Tsang	Thin-layer chromatographic separation of estrogen sulfates	Journal of Chromatography	Feb. 9/84		10 from Dr. Tsang Oct 22/84	26/2/91-55
1230	Hocking Gavora Chambers Fortin	Genetic variation in body size, composition, temperature and feed intake in mature chickens	Poultry Science	Feb. 13/84	Oct. 23/84	Feb. 19/85	26/2/91 555
1231	Cave, Bentley	The effect of intermittent lighting on growth, feed:gain ratio and abdominal fat content of broiler chickens of various genotypes and sex	Poultry Science	Feb. 27/84	Jan. 18/85	Apr 24/85	Jan 8/85 26/2/91 RSC 555

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
		(165)					
1232	Gavora	Importance of genetic aspects of Health in Poultry Production <i>No Publication</i>	XVII World's Poultry Cong.	Feb. 29/84			26/2/91/555
1233	Grunder	Effect of different photoperiods on egg production and fertility of geese <i>No Publication</i>	XVII World's Poultry Cong.	Mar. 1/84			26/2/91/555 Aug 26/85 256
1234	Thompson Hamilton Grunder	The relationship between laboratory measures of egg shell quality and breakage in commercial egg washing and candling equipment	Poultry Sci.	March 2/84 by ESRI	sent 1/2 Feb 1984		Jan 8/86 26/2/91/555 RSG.
1235	Fairfull Spencer Gavora, Gowe	Performance of laying hens positive for group specific viral antigen or for lymphoid leukosis virus in egg albumen and egg yolk	Archiv für Geflügelkunde	March 8/84	Aug 25/84 100 to HDRE	Jan 9/85 Jan 15/85 107C	Aug 26/85 26/2/91/555 RSG.
1236	Tsang Grunder	Effects of vitamin D <sub>3</sub> deficiency on estradiol-17 <sub>B</sub> metabolism in the laying hen	Endocrinology	March 14/84	Sept. 19/84	Jan 10/85	Aug 26/85 26/2/91/555 RSG.
1237	Crober Fairfull Gowe, Gavora	Effect of comb dubbing and cage arrangement on the performance of caged laying hens <i>No Publication</i>	XVII World's Poultry Cong.	March 15/84			
1238	Ainsworth	Effects of Norgestomet-implants on the oestrous cycle and luteal function of ewes	Anim. Repro.	March 16/84	Feb. 1/85	July 16/85	Aug 17/85 26/2/91/555
1239	Hackett Lin	Comparison of Females treated with Oestradiol or Testosterone to detect oestrus in dairy cattle maintained indoors year-round	Animal Reproduction Science	March 22/84	April 22/85	Sept 17/85	26/2/91/555

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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1240	Sibbald Wolynetz	Relationships between estimates of bioavailable energy made with adult cockerels and chicks	Poultry Sci.	March 22/84	Dec 4/84	Jan 14/85	Jan 5/86 RSC
1241	Patni, Jui	Volatile fatty acids in stored dairy cattle slurry	Agricultural Wastes	March 22/84	Dec 19/84	Jan 5/85	Jan 10/85 RSC
1242	Hamilton Trenholm Thompson Greenhalgh	The tolerance of White Leghorn and broiler chicks, and turkey poults to diets that contained deoxynivalenol (vomitoxin) contaminated wheat	Poultry Sci.	March 22/84	Dec 4/84	Jan 21/85	Jan 8/86 RSC
1243	Hidiroglou Heaney Hartin	Copper excretion by sheep treated with molybdenum and sulfur or penicillamine for copper toxicosis	Canadian Vet. Journal	March 23/84	Sept. 19/84	Nov 6/84	Jan 9/85 RSC
1244	Engster Cave, Likuski	A collaborative study to evaluate the precision-fed rooster assay for true amino acid availability in feed ingredients	Poultry Science	March 30/84			Jan 8/86 RSC
1245	Hidiroglou Proulx Jolette	Use of an intraruminal selenium pellet for the control of nutritional muscular dystrophy in cattle	J. of Dairy Science	April 3/84	Nov. 21/84	Mar 21/85	Apr 4/85 RSC
1246	Fraser	Selection of bedded and unbedded areas by pigs in relation to environmental temperature and behaviour	Applied Anim. Ethology	April 26/84	Feb. 7/85	July 16/85	Apr 13/86 RSC

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1247	Prelusky, Trenholm, Lawrence, Scott	Non-transmission of deoxynivalenol (vomitoxin) to milk following oral Administration to dairy cows	J. of Env. Science	April 26/84	July 6/84	Dec. 31/84	26/2/91/555 May 31/85
1248	Batra, Lee	Comparison of three methods of predicting 305-day milk and fat production in dairy cattle	Can. J. of Anim. Sci.	May 11/84	April 9/85	July 18/85	July 31/87 26/2/91/555
1249	Doyon, Bernier-Cardou, Hamilton, Castaigne, MacLean	Shell and interior quality. 1. Shell strength of eggs from five commercial strains of White Leghorn hens during their first laying cycle	Poult. Sci.	May 11/84 by FP&I			rec'd 100 Oca 14/86 26/2/91/555 24/1/86 1256
1250	Nagai, McAllister, Masaki	Line-of-male effects on lifetime performance in mice	Can. J. of	May 14/84	April 4/85	July 30/85	26/2/91/555
1251	Lin	A simple stepwise procedure of deriving selection index with restrictions	Theoretical & Applied Genetics	May 18/84	Feb. 31/85	July 11/85	
1252	Fairfull, Gowe	A comparison of two methods of inducing moultnig in laying hens	Poultry Sci. NO Publication	June 4/84			
1253	Erfle, Sauer, Mahadevan	Energy metabolism in rume microbes NO Publication	Control of digestion & metabolism in ruminants (Proceedings)	June 4/84			
1254	Scott, Kanhere, Dexter, Brenan, Trenholm	Milling of hard red spring wheat - Naturally contaminated with Deoxynivalenol (vomitoxin)	Food Additives & Contaminants	June 4/84 by P.M. Scott		April 1/85 (10)	



Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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1255	Trenholm Thompson Hartin Greenhalgh McAllister	The ingestion of vomitoxin (deoxynivalenol) - contaminated wheat by non-lactating dairy cows	Journal of Dairy Science	June 11/84	Mar. 4/85	May 16/85	
1256	Fraser Connor	Effect of dosage of cloprostenol on induction of farrowing and body temperature of sows	Can. J. of Comparative Medicine	June 13/84	Oct. 1/84	Nov 26/84	Aug 26/85 4/4/85 RSG
1257	Cave Burrows	Naked oats in feeding the broiler chickens	Poultry Sci.	June 18/84	May 30/85	June 17/85	Jan 8/86 6/6/86 RSG
1258	Sibbald Wolynetz	The energy content of fat and protein in chicks and adult cockerels	Poultry Sci.	June 28/84	May 10/85	July 17/85	Jan 8/86 4/4/86 RSG
1259	Sibbald Wolynetz	Estimates of retained nitrogen used to correct estimates of bioavailable energy	Poultry Sci.	June 28/84	June 11/85	Aug. 21/85	Jan 8/86 4/4/86 RSG
1260	Wolynetz Sibbald	Prediction of initial carcass composition in comparative slaughter experiments <del>NO - Published</del>	Poultry Sci.	June 28/84	ESRZ		Jan 8/86 4/4/86 RSG
1261	Ivan Veira	The effects of a copper sulfate supplement on growth, tissue concentration and ruminal solubilities of molybdenum and copper in sheep fed low and high molybdenum diets	J. of Dairy Science	June 29/84	March 21/85	May 16/85	May 22/85 4/4/85 RSG
1262	Nagai McAllister	Comparison of lifetime performance in mice under crisscross, repeat hybrid male cross and random mating systems	Theoretical & Applied Genetics	June 29/84	Dec 20/84	May 9/85	4/4/85 88

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
		(169)					55
1263	Ivan, Buckley St. Amour, Nicholls Veira	Fully automated system for aerobic and anaerobic sampling of duodenal digesta in sheep or cattle equipped with duodenal reentrant cannulas	J. of Animal Science	June 29/84	March 21/85	May 30/85	June 4/85 26/2/85 RS5
1264	Doyon Bernier-Cardou Hamilton Castaigne Randall	Shell and interior quality. 2. Interior quality of eggs from five commercial strains of White Leghorn hens during one year of hay	Poultry Sci.	July 3/84 by: G. Doyon		Rec'd 100 Mar. 19/86	Mar. 21/86 26/2/85 RS6
1265	Kelleher, Ivan	Distribution of copper and <sup>99</sup> Mo in blood and liver in sheep following intravenous administration of copper and [ <sup>99</sup> Mo]-tetrathiomolybdate NO Publication	Can. J. of Physiology and Pharmacology Rejected - Jan/85	July 3/84			26/4/85
(1266)	Fraser Thompson	Piglet performance in relation to farrowing crate design, with some observations on within-litter variation in body weight NO Publication	Animal Prod. Rejected March/85	July 4/84			March/85 26/4/85
1267	Jenkins Kramer, Sauer Emmons	Influence of triglyceries and free fatty acids in milk replacers on calf performance, blood plasma and adipose lipids	J. Dairy Sci.	July 4/84	Mar. 5/85	June 13/85	26/2/85
1268	Nagai Watanabe Kobayashi Sugawara	Intra-uterine survival and growth of embryos of the Wistar strain and its cross in rats	Theriogenology	July 6/84	Feb. 5/85	June 10/85	2/2/85

(1266)  
number  
not to be  
re-used

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1269 x	Hackett, Lin McAllister	Resumption of Ovarian Activity and Estrus in the Postpartum Period in Dairy Cows Maintained Indoors Year-Round	C. J. Anim. Science	July 6/84	April 2/85	July 18/85	25/11/85
1270	Akbar Gavora Fairfull	Relationship between activity at a young age and feed efficiency in chickens	Poultry Sci.	July 16/84	July 15/85 July 27/85	July 15/85	26/11/85 July 26/85 256
1271	Jackson Friars Gavora, Lin Gowe, McMillan Moran	Comparisons of control and selected strains, strain crosses and commercial stocks of leghorns for egg production efficiency	British Poult.	July 30/84 by: Dr. Friars			26/11/85 June 26/82 FSLG
1272	Farnworth Kramer	The effects on growth and lipid metabolism of feeding male rats different levels and types of fat	Canadian J. Physiology & Pharmacology	Aug. 14/84	July 27/87	Dec 15/87	
1273	Shrestha Heaney Vesely	Comparison of weighing methods utilizing full-feeding and overnight fasting for assessing lamb weights <i>no publication</i>	C. J. Anim. Science	Aug. 14/84			
1274	Trenholm Thompson Standish Seaman	Section 2.1 Mycotoxins in feeds and feedstuffs <i>no publication</i>	NRC Scientific Criteria Document - Mycotoxins: A Canadian Perspective	Aug. 3/84			
1275 x	Hamilton	Section 5.2 - Animal Productivity <i>no publication</i>	NRC Scientific Criteria Doc.	Aug. 3/84			
1276	Trenholm Young	Appendix: Guidelines for the safe handling of mycotoxins in research laboratories <i>no publication</i>	NRC Scientific Criteria Doc.	Aug. 3/84			

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1277	Buckley Veira Nicholls Ivan, StAmour	An automated device for controlled feeding of sheep in cages and pens <i>no publication</i>	Can. J. Anim. Sci.	Aug. 24/84 by ESRI			
1278	Sibbald Wolynetz	The excreta energy and nitrogen losses of adult cockerels during a prolonged fast	Poultry Sci. <i>Rejected Nov 26/84 Resubmitted</i>	Aug. 28/84 <i>Jan. 11/85</i>	<i>Aug 21/85</i>	<i>Oct 28/85</i>	<i>Jan 7/86 RSC</i>
1279	Shrestha Heaney	Genetic and phenotypic parameters of early growth traits of lambs reared artificially in a controlled environment	Can. J. Anim. Sci.	Aug. 28/84	<i>Jan 21/85</i>	<i>May 0/85</i>	<i>May 7/85 RSC</i>
1280B	Hamilton Fairfull Gow	Use of particulate limestone or oyster shell in the dietary regimen of White Leghorn Hens.  <i>concentration, cooling velocity and osmolality of skim-milk diluents on cryo-preservation of ram spermatozoa</i>	Poult. Sci.			July 16/85	Oct. 10/85 <i>Jan 8/86 RSC</i>
1282	Sibbald Wolynetz	Changes in the body weights and the final carcass compositions of adult cockerels fed less than their maintenance requirements	Poultry Sci.	Sept. 17/84	<i>Aug 16/85</i>	<i>Oct 31/85</i>	<i>Jan 6/86 RSC</i>
1283	Kramer Fouchard Jenkins	Differences in chromatographic properties of fused silica capillary columns, coated, cross-linked, or crosslinked and bonded with polyethylene glycols (Carbowax(R)20M) using complex fatty acid methyl ester mixtures	J. of Chromatographic Sci.	Sept. 17/84	<i>2.6 7/85</i>	<i>7/24 25/85</i>	



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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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1284	Atwal	Comparison of wilted silages of alfalfa cut at two stages of maturity with formic-acid-treated silage from early cut	Can. J. Anim. Science	Oct. 9/84	July 10/85	Nov. 12/85	26/2/85 2/10/85
1285	Trenholm Warner Prelusky	Incomplete extraction as a source of error in the analyses of naturally contaminated grain products for deoxynivalenol (vomitoxin)	J. Assoc. Offic Chem.	Oct. 30/84	Apr. 19/85	Aug. 30/85	
1286	Kramer Farnworth Thompson	Quantitating heart lipids: comparing results obtained using the Iatroscan method with those obtained from phosphorus and gas chromatographic techniques	Lipids	Oct. 30/84	May 17/85	Sept 18/85	
1287	Sibbald	Methods for estimating bioavailable energy in poultry feedingstuffs	World's Poult. Sci. Journal	Oct. 30/84		Jan. 6/86	Jan 1/86 20/2/86
1288	Sibbald Wolynetz	Short-term changes in broiler chick carcass composition associated with a range of intakes of a lipogenic diet	Poultry Science	Oct. 30/84	Sept. 9/85	Mar 3/86	Jan 1/86 26/2/85
1289	Hamilton Thompson Trenholm Fiser Greenhalgh	Effects of feeding White Leghorn hens diets that contain deoxynivalenol (vomitoxin) contaminated wheat	Poult. Science	Oct. 31/84	Aug 8/85	Oct. 20/85	Jan 7/86 26/2/85
1290	Hidiroglou Williams	Mammary transfer of vitamin D <sub>3</sub> in the rabbit doe	International J. of Vitamin Research	Nov. 13, 1984	April 4/85	Aug 8/85	26/2/85

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1291 x	Shrestha Vesely Chesnais	Genetic and phenotypic parameters for daily gain and body weights in suffolk lambs	Can. J. Anim. Science	Nov. 14/84	July 19/85	Nov 6/85	20/2/85 SS 7/10 25/75
1292 f	Lin McAllister Lee	Multitrait estimation of relationships of first lactation yields to body weight changes in Holstein heifers	Journal of Dairy Sci.	Nov. 14/84	Oct 9/85	Dec. 12/85	
1293 f	Fortin Shrestha	In vivo estimation of carcass lean by ultrasound in ram lambs slaughtered at an average live weight of 37 kg.	Animal Production	August 13/85	Sept 23/85	Jan 15/87	Jan 21/87 Cobb/101 SS
1294	Fortin Elliot	Relationships between backfat thickness and chemical composition of the body components: Implications for selection against backfat thickness in swine	Journal of Anim. Sci.	Nov. 16/84	Aug 4/85 May 17/85	Aug 13/85	Jan 8/86 26/4/86 RSG.
1295	Bernon Chambers Resubmitted	Genetic Parameters of unadjusted and adjusted age-constant feed consumption and efficiency of meat type chickens	Poult. Sci.	Jan. 11/88	Sept 23/88	Dec 10/88	
1296	Hidiroglou Williams Proulx	Plasma Vitamin D <sub>3</sub> response in cattle and sheep exposed to ultra-violet radiation	Int. J. of Vitamin Res.	Dec. 5/84	April 4/85	Aug 7/85	24/4/85
1297 +	Ainsworth Shrestha	Effect of PMSG dosage on the reproductive performance of adult ewes and ewe lambs at a progestagen-PMSG synchronized estrus	Theriogenology	Dec. 17/84	Nov 15/85	Feb 6/86	April 16/86 26/2/86 RSG SS
1298 7	Heaney Shrestha	Effects of warm versus cold milk replacers and of free choice hay postweaning on performance of artificially reared lambs	Can. J. Anim. Science	Dec. 17/84	Oct 7/85	Jan 20/86	Jan 28/86 26/2/86 RSG SS

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
		174					
1299	Sibbald Wolynetz	The bioavailability of supplementary lysine and its effect on the energy and nitrogen excretion of adult cockerels fed diets diluted with cellulose	Poultry Science	Dec. 19/84	Aug 21/85	Oct 28/85	Jan 7/86 256.
1300	Langford	Influence of body weight and number of inseminations on fertility of progestogen-treated ewe lambs raised in controlled environments	Journal of Animal Science	Jan. 11/85	Mar 14/86	Mar 16/87	10/3/87 JIE 26/2/81 5-55
1301	Prelusky Veira Trenholm	Plasma pharmacokinetics of the Mycotoxin Deoxynivalenol Following Oral and Intravenous Administration to Sheep	J. Env. Sci. + Health Drug Metabolism & Disposition Rejected May 185. Resubmitted	Jan. 25/85  May 30/85	Jan 25/85 Aug 8/85	Mar 14/86	June 26/86 26/2/81 -55 RSE.
1302	Marcus Hackett	Use of ELISA for Measurement of Bovine Serum and Milk Progesterone without Extraction	J. of Dairy Science	Jan. 25/85	Feb 21/86	Apr 24/86	Apr 26/86 25-26/81
1303	Patni Toxopeus Jui	Bacterial quality of runoff from manured and non-manured cropland	Trans. Am. Soc. Agr. Engrs.	Jan. 28/85	Dec 5/85	Apr. 4/86	Apr. 7/86 26/2/81 55
1304	Sibbald Wolynetz	Comparison of three methods of excreta collection used in estimation of energy and nitrogen excretion	Poultry Sci.	Jan. 31/85	Nov 8/85	Mar 14/86	Mar 21/86 26/2/81 55 RSE
1305	Gowe Fairfull	Effect of selection for part record number of eggs from housing vs selection for hen-day rate of production from age at first egg	Ann. Agric. Fenn.	Feb. 22/85			
1306	Batra, Lee McAllister	Relationships of reproduction and milk yield in dairy cattle	Can. J. Anim.	Feb. 26/85	Jan 13/86	Apr 22/86	June 26/86 26/2/81 RSE

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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1307	Fraser Phillips Thompson	A test of a free-access two-level pen for fattening pigs	Animal Production	Feb. 28/85	Jan 13/86	May 1/86	4/1/91 May 14/86 RSG
1308 x	Sibbald Wolynetz	Effects of dietary lysine and feed intake on energy utilization and tissue synthesis by broiler chicks	Poultry Sci.	Mar. 4/85	Nov. 19/85	Nov 16/86	Nov 1/86 26/2/91 RSG
1309	Fortin Wood Whelehan	<del>Garcass composition in the pig</del> Breed and sex effects on the development and proportions of muscle, fat and bone	Journal of Agric. Sci. (C. ab.) 1981, 39-45	March 7/85			1/1/88 26/2/91 RSG
1310	Cohen Neish Trenholm	Preparation of deoxynivalenol (vomitoxin) using flash chromatography	Microbiologie Aliments Nutrition	March 7/85 by: Cohen	Photo copies	10 photo copies from Dr. Neish	
1311 x	Kramer Fouchard Farnworth	The effect of fatty acid chain length and unsaturation on the chromatographic behavior of triglycerides on Iatroscan chromarods	Lipids	March 7/85	July 19/85	Oct 20/85	
1312 x	Kramer Farnworth Thompson	Cardiac lipid changes in rats fed oils enriched in saturates and how these changes relate to focal heart lesions	Lipids	March 7/85	Sept. 13/85	Nov 28/85	
1313	Gowe Fairfull	The direct response to long-term selection for multiple traits in egg stocks and changes in genetic parameters with selection	Br. Poultry Science	Nov. 12/85	Sept. 184	Mar. 13/85	Jan 12/85 2/1/91 551 RSG

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		(176)					2/2/11/53 J
1314	Hidioglou Williams	Influence of season on the mineral composition of cattle hooves	Amer. J. Vet. Research	Mar. 15/85	Dec 27/85	Mar 7/86	July 18/86 RSG
1315	Akhtar Khan	In vitro metabolism of deltamethrin by stem and leaf homogenates of tobacco plants	Chemosphere	March 18/85	Apr. 18/85	Aug 13/85	4/11/85 Aug. 16/85 RSG
1316	Batra	Relationship of somatic cell concentration with milk yield in dairy cows	Canadian J. Anim. Sci.	March 21/85	June 30/86	Oct 21/86	
1317	Veira, Butler Ivan, Proulx	Utilization of grass silage by cattle: Effect of barley and fishmeal supplements	Canadian J. Anim. Sci.	March 26/85	Oct 15/85	June 30/86	
1318	Fiser, Fairfull Marcus	The effect of thawing velocity on survival and acrosomal integrity of ram spermatozoa frozen at optimal and suboptimal rates in straws	Cryobiology	March 26/85	Jan 29/86	May 8/86	2/2/11/55 June 26/86 RSG
1319	Ivan, Veira Kelleher	The alleviation of chronic copper toxicity in sheep by ciliate protozoa	British J. of Nutrition	April 2/85	Dec 5/85	July 5/86	2/2/11/55 June 26/86 RSG
1320	Prelusky, Veira, Trenholm, Hartin	Excretion profiles of the mycotoxin deoxynivalenol, following oral and intravenous administration to sheep	Fundamental & Applied Toxicology.	April 2/85	Dec 9/85	Apr 16/86	June 26/86 RSG
1321	Hamilton Thompson Trenholm	The effects of deoxynivalenol (vomitoxin) on dietary preference of White Leghorn hens	Poult. Sci.	April 11/85	Feb. 13/86	Apr 10/86	April 16/86

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1322 x	Jenkins Kramer Emmons	Effect of various lipids in milk replacers on calf performance and lipids in blood plasma, liver, and perirenal fat	J. Dairy Sci.	April 22/85	Jan 10/86 100-FR1	Apr 24/86	June 2/86 RSG
1323	Hollands Grunder Gavora	Divergent selection for incidence of degenerative myopathy of the <u>M. supracoracoideus</u> of meat-type chickens	Poult. Sci.	April 22/85	March 28/86	Apr 25/86	June 1/86 RSG
1324	Hollands Grunder Gavora	Plasma creatine kinase as an indicator of degenerative myopathy of the <u>M. supracoracoideus</u> in exercised chickens	British Poult. Science NO Publication	April 22/85			
1325	Vesely, McAllister Lee, Batra Lin, Roy, Wauthy, Winter	Reproductive performance of cross-line and pureline dairy cows	J. Dairy Sci.	April 22/85 to be submitted by Dr. Vesely			
1326 x	Lin, Nagai	The partitioning of genetic effect of lifetime performance by mice	Theor. & Appl. Genetics	May 1/85	Oct 24/85	Jan 31/86	
1327 y	Jenkins	Fatty acid-binding protein in liver and small intestine of the preruminant calf	J. Dairy Sci.	May 9/85	Dec 27/85	Mar 7/86	June 2/86
1328 y	Lin, McAllister Ng-Kwai-Hang Hayes	Effects of milk protein Loci on first lactation in dairy cattle	J. Dairy Sci.	May 23/85	Feb 13/86	Apr 25/86	

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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1329	Fraser Thompson	Variation in piglet weights: effects of suckling behavior, parity number and farrowing crate design	Can. J. of Anim. Sci.	June 21/85	Jan 7/86	Apr 2/86	May 4/86 R.S.G.
1330	Shrestha Vesely Chenais Cuthbertson	Genetic and phenotypic parameters for daily gain and body weights in Dorset lambs	Can. J. Anim. Science	June 21/85	Jan 27/86	Apr 25/86	June 26/86 R.S.G.
1331	Sauer Blackwell Mahadevan	The role of tetrahydromethanopterin and cytoplasmic cofactor in methane synthesis	The Biochemical J.	June 21, 1985	Feb 17/86	June 10/86	
1332	Wolynetz Sibbald	Relationships among major body components of broiler chicks	Poult. Sci.	July 4/85	ESRI	Apr 24/86	5/10/87 EEL
1333	Lin, McAllister Batra, Lee, Roy Vesely, Vauthy Winter	Production and reproduction of early bred and late bred dairy heifers	J. Dairy Sci.	July 5/85	Feb. 11/86	Apr 25/86	
1334	Friend Thompson Trenholm Hartin Prelusky	Effects of feeding deoxynivalenol (DON)-contaminated wheat diets to pregnant and lactating gilts	Can. J. Anim.	July 12/85	Jan. 24/86	Apr 25/86	May 14/86 R.S.G.
1335	Batra	Comparison of two mathematical models in fitting lactation curves for pureline and crossline dairy cows	Can. J. Anim.	July 12/85	April 15/86	July 10/86	July 1/86 R.S.G.

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1336	Fraser	Attraction to blood as a factor in tail-biting in pigs	Applied Anim. Behaviour Sci.	July 12/85	Feb 27/87	July 9/87	July 15/87
1337	Erfle, Sauer Mahadevan, Teather	Response of lactating dairy cows to formaldehyde treated soybean meal when fed with control on urea treated corn silage	Can. J. of Anim. Sci.	July 12/85	Jan. 22/86	Apr 2/86	June 1/86 RSC.
1338	Fortin Wood, Whelehan	<del>Carcass Composition in the Pig 2.</del> <i>Breed and sex effects on the development, distribution of muscle, fat and bone, and the partition of fat in pigs</i>	J. Agric. Sci. Camb.	July 16/85	✓	✓ 1/11/86	} 1/11/88
1339	Fortin Wood Whelehan	Carcass Composition in the Pig 3. <i>Combined results #1338</i> NO Publication	J. Agric. Sci.	July 16/85	see 1338	see 1338	
1340	Fortin Wood Whelehan	Carcass Composition in the Pig 4. NO Publication	J. Agric. Sci.	July 16/85	see 1338	see 1338	
1341	Wolynetz Sibbald	Relationships among major body components of adult SCWL cockerels	Poult. Sci.	Aug. 1/85 by Wolynetz	✓	Mar 31/87	
1342	Wolynetz Sibbald	Prediction of major body components of broiler chicks	Poult. Sci.	Aug. 1/85 by Wolynetz	✓	Mar 31/87	14/9/87 EEL
1343	McMillan Gowe, Gavora Fairfull	Prediction of annual from part record egg production in chickens by three mathematical models	Poult. Sci.	Aug. 1/85 by McMillan	✓		
1344	Wolynetz Sibbald	Utilization of nutrients by poultry	Poult. Sci.	Aug. 8/85 By Wolynetz	✓	Mar 31/87	14/9/87 EEL

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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1345	Hidioglou Williams	Inter-relationships among liposolubles vitamins in ruminants	Amer. J. Vet. Research	Aug. 12/85	200 rec'd 7/20/86	✓	Aug 27/86 RSG
1346	Veira	The role of ciliate protozoa in nutrition of the ruminant	J. of Anim. Science	Aug. 13/85	July 29/86	Dec 23/86	
1347	Flores Phillip Veira Ivan	The significance of silage protein degradation and plasma amino acid ratios in the regulation of food intake by lambs fed ensiled and fresh alfalfa	Can. J. Anim. Science	To be submitted Dr. Phillip Macdonald Col.	-	10 photo copies	6/10/87 EEL
1348	Thompson Fraser	Variation in piglet weights: Development of within-litter variation and effect of farrowing crate design over a 5-week lactation	Can. J. of Anim. Sci.	To be submitted by ESRI			14/9/87 EEL
1349	Gavora Simonsen Spencer Fairfull Gowe	Changes in the frequency of major histocompatibility haplotypes in chickens under selection for both high egg production and resistance to Marek's disease	J. of Anim. Breed. and Genetics	Sept. 10/85	March 13/86	Oct 8/86	
1350	Sibbald Wolynetz	Measurement of lipids in chicken carcass dry matter	Poultry Sci.	Sept. 11/85	Sept. 23/86	Apr 24/87	5/10/87 EEL
1351	Kramer Thompson Farnworth	Variation in the relation response factor for triglycerides on Iatroscan Chromarods with fatty acid composition and sequence of analysis	J. of Chromatography	Sept. 16/85	Dec 27/85	May 9/86	

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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1352	Sibbald Wolynetz	Variation in dietary dry matter and the effects on accuracy of feed intake related data	Poultry Sci.	Sept. 25/85	May 1/86	Aug 5/86	2/2/86 SS
1353	Foster Trenholm Friend Thompson Hartin	Evaluation of swine fed deoxynivalenol (vomitoxin) from different sources <i>Rejected Nov. 1872</i>	Canadian J. Anim. Science	Sept. 26/85	Oct 17/86	Feb 16/87	
1354	Kelleher Ivan	Liver distribution of copper and <sup>99</sup> Mo in sheep following intravenous administration of copper and [ <sup>99</sup> Mo]-Tetrathiomolybdate	Canadian J. of Animal Sci.	Oct. 7/85	Sept 2/86	July 10/86	July 1/86 2/2/86 RSC SS
1355	Flores Phillip Veira, Ivan	Digestion in the rumen and amino acid supply to the duodenum of sheep fed ensiled and fresh alfalfa	Can. J. Anim. Sci.	Oct. 11/85 To be submitted by Dr. Phillip	-	10 photo copies 2	6/10/87 2/5/86 EEL SS
1356	Atwal Heslop Lievers	Effectiveness of anhydrous ammonia as a preservative for high moisture hay in large round bales	Can. J. Anim. Science	Oct. 14/85	July 28/86	Oct 21/86	Oct 31/86 2/2/86 JTE SS
1357	Kramer Fouchard Farnworth	Resolution of phospholipids on CuSO <sub>4</sub> impregnated Chromarods	J. of Chromatography	Oct. 21/85	Dec 9/85	Mar 14/86	
1358	Nicholls Nash, Hamilton Proudfoot Hulan	A pneumatic device for attaching wing bands to day old chicks <i>to be submitted</i>	Poult. Sci.	Nov. 4/85 to be submitted by ESRI		Aug 1/86	Aug 26/86 2/2/86 RSC SS
1359	Hamilton Thompson	The effects of the egg shell strength puncture test on the subsequent hatchability of eggs with White Leghorn and broiler hens	Poultry Sci.	Nov. 4/85	June 25/86	Sept 2/86	2/2/86 SS

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1360	Jenkins Kramer	Influence of low linoleic and linolenic acids in milk replacer on calf performance, and lipids in blood plasma, heart, and liver	J. Dairy Science	Nov. 4/85	March 30/86	June 12/86	Sept 8/86 2/11/91 55 236
1361	Friend, Trenholm Thompson Fiser Hartin	Effect of feeding diets containing deoxynivalenol (vomitoxin) contaminated wheat or corn on the feed consumption, weight gain and sexual development of male and female pigs.	Can. J. An. Sci.	Nov. 14/85	10/21/86		Nov 30/86 4/11/88
1362	Fairfull Gowe	The effect of pre-incubation storage of hatching eggs on subsequent performance of White Leghorn hens.	Poult. Sci.	Nov. 27/85	Mar. 11/87	July 6/87	Jan 15/87 2/14/91 55
1363	Fairfull Gowe	The effects of red vs incandescent lights during brooding and rearing on subsequent performance of White Leghorn hens	<del>Poult. Sci.</del> Poult. Sci.	Nov. 27/85	—	Sept 30/87	April 80 2/14/91 55
1364	Fairfull Gowe	Genotypic and phenotypic parameters of spur incidence and length of White Leghorn hens	Poult. Sci.	Nov. 27/85	Sept 26/86	Feb. 16/87	July 16/87 2/12/91 55
1365	Shrestha Vesely	Evaluation of established breeds of sheep in Canada for daily gain and body weights	Can. J. Anim. Science	Dec. 2/85	Oct 3/86	Feb 16/87	24/3/87 2/14/91 JIE
1366	Tsang Grunder	A comparative study of the hypercalcemic effect of several naturally occurring estrogens injected into roosters <i>Rejected Jan 13/86 NO Publication</i> <b>RESUBMITTED</b>	Domestic Animal Endocrinology  Archiv fur Geflugelkunde	Dec. 2/85  Nov. 21/86			

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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1367 Y	Akhtar Hartin Trenholm	Fate of <sup>14</sup> C-Deltamethrin in lactating dairy cows	J. of Agric. & Food Chemistry	Dec. 9/85	May 20/86	Aug 22/86	2/2/87 SS
1368 Y	Marcus Durnford	A simple enzyme-linked immuno-sorbent assay for testosterone	Steroids	Dec. 16/85	June 9/86	Oct 6/86	Nov 26/86 2/2/87 SS
1369 X	Batra	Extension factors for predicting 305 day protein yield in dairy cows	Can. J. An. Sci.	Dec. 17/85	July 29/86	Oct 20/86	
1370 Y	Sauer	Tetrahydromethanopterin Methyltransferase, A component of the methane synthesizing complex of <u>Methanobacterium Thermoautotrophicum</u>	J. Biochem. Biophys. Res. Comm.	Dec. 17/85	Apr 9/86	July 14/86	
1371	Fortin	Development of backfat and individual fat layers in the pig and its relationship with carcass lean	Meat Science	Dec. 27/85	Sept 8/86	Mar 23/87	5/10/87 2/4/88 EEC SS
1372	Hackett	Testosterone or estradiol treatment of heifers of freemartins to detect estrus in confined dairy cattle.	Theriogenology	Dec. 27/85	Dec 3/86	Feb 16/87	
1373	Kelleher Ivan	Diethylsuccinate carboxylesterase activity in copper-toxic sheep	J. Comparative Medicine	Jan. 13/86	Mar 12/87	July 14/87	July 21/87 2/2/88 SS
1374 X	Akhtar Hamilton Trenholm	Excretion, distribution and depletion of [ <sup>14</sup> C] cypermethrin and <u>cis</u> and <u>trans</u> Isomers of 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane-carboxylic Acid administered orally to laying he	Pesticide Science	Jan. 15/86	May 7/87	Jan 18/87	Apr. 1/88 2/2/88 SS



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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1375	Hidiroglou Karpinski	Vitamin E Kinetics in Sheep	British J. of Nutrition	Feb. 7/86	Apr. 8/87	Sept 14/87	Apr. 1/88 2-12/91 SSS
1376	Lin, Lee	Sequential estimation of genetic and phenotypic parameters in multitrait mixed model analysis	J. of Dairy Science	Jan. 31/86	Aug 19/86	Dec 10/86	
1377	Thompson Hamilton	Relationships between laboratory measures of egg shells strength and breakage of eggs collected at a commercial grading station	Poult. Sci. <i>NO Publication</i>	Feb. 4/86		<i>rec'd</i>	Jan. 21/87 JH 2-14/91 SSS
1378	Shrestha Fortin Heaney	Genetic and phenotypic parameters of carcass traits in ram lambs reared artificially in a controlled environment	Can. J. Anim. Science	Feb. 7/86	Oct 8/86	Feb 16/87	27/3/87 TIC 2-12/91 SSS
1379	Jenkins Hidiroglou	Tolerance of the preruminant calf for selenium in milk replacers	J. Dairy Sci.	Feb. 10/86	June 6/86	Aug 2/86	Sept 8/86 4-12/91 SSS
1380	Heaney Shrestha	Effects of soyflour in milk replacer on the performance of artificially reared lambs	Can. J. Anim. Science	Feb. 10/86	Aug 4/87	Nov 5/87	25/2/91 JH
1381	Fiser Fairfull	The effects of rapid cooling (cold shock) of ram semen, photoperiod, and egg yolk in diluent on the survival of spermatozoa before and after freezing	Cryobiology	Feb. 24/86	Oct 22/86	Jan 21/87	Feb 3/87 JH 2-14/91 SSS
1382	Narbaitz Tsang Grunder	Effects of Vitamin D-deficiency in the chick embryo	Calcified Tissue Internat.	Feb. 21/86		Mar 9/87	

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1383	Prelusky Hamilton Trenholm Miller	Tissue Distribution and Excretion of Radioactivity Following Administration of <sup>14</sup> C-Labelled Deoxynivalenol to White Leghorn Hens	Fundamental & Applied Toxicology	March 6/86	Oct 8/86	Jan 6/87	Jan 20/87 25/2/91 JSS
1384	Hamilton	The microstructure of the hen's egg shell - A short review	Food Micro-structure	March 10/86	June 6/86	July 22/86	July 30/86 25/2/91 JSS
1385	Atwal Heslop	Effectiveness of propionic acid and "Hay Treet" for preserving alfalfa hay in large round bales	Can. J. An. Sci.	March 17/86	Jan 19/87	March 27/87	July 16/87 25/2/91 JSS
1386	Akhtar	Mammalian Toxicology <i>no publication</i>	NRC Scient. Criteria Document Pyrethroids:	<del>Sept 20/86</del> April 2/86			
1387	Hackett	Effect of rupturing cystic ovaries in dairy cattle	Can. J. of Comparative Medicine	Apr. 3/86			
1388	Narbaitz Tsang Grunder Soares	Scanning Electron Microscopy of Thin and Soft Shells Induced by Feeding Calcium and Vitamin D Deficient Diets to Laying Hens.	Poultry Science	Apr. 4/86 <i>to be re-submitted by Nabaitz</i>			
1389	Aspinall Burton Heaney	Lipiodol supplementation of sheep: serum triiodothyronine and thyroxine concentrations of ewes and their lambs <i>NO Publications</i>	Can. J. An. Sci.	Apr. 9/86 <i>to be re-submitted by Aspinall</i>			
1390	Ainsworth Shrestha	The reproductive performance of the ewe lambs in a controlled environment	Animal Production	Apr. 9/86	Nov 30/86	Apr 25/87	14/9/87 EEL 25/2/91 JSS
1391	Friend Trenholm Thompson Prelusky Hartin	Effect of deoxynivalenol (DON)-contaminated diet fed to growing finishing pigs on their performance at market weight, nitrogen retention and DON excretion	Can. J. An. Science	Apr. 9/86	Oct 10/86	Feb 16/87	July 16/87 25/2/91 JSS

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1392	Hidioglou	Vitamin E response in sheep to various modes of administration	International J. for Vitamin and Nutritional Research	April 10/86	July 28/86	Jan 13/87	2/2/91 SSS
1393	Young Trenholm Friend Prelusky	Detoxification of Deoxynivalenol with sodium bisulfite and evaluation of the effects when pure mycotoxin or contaminated corn was treated and given to pigs	J. Agric. Food Chem.	April 10/86	has been ordered by FRC 2/2/87	Apr. 14/87	
1394	Hidioglou	Determination of 25-hydroxyvitamin D <sub>3</sub> in sheep tissues by high performance liquid chromatography	Int. J. in Vitamin and Nutritional Research	Apr. 11/86	Feb 21/86	Feb. 16/87	July 21/87 2/2/91 SSS
1395	Farnworth Kramer	Fat metabolism in growing swine, a review	Can. J. of Animal Sci.	Apr. 16/86	May 2/87	July 31/87	
1396	Trenholm Friend Hamilton Prelusky Foster	Chapter 8: Lethal Toxicity and Non-Specific Effects	Trichothecene Mycotoxicosis: Pathophysiologic Effects, CRC Press, Inc.	Apr. 17/86			
1397	Elliot Modler Timbers	A continuous process for the production of purified porcine -globulin for use in pig-milk replacer supplements.	Animal Feed Science and Technology	Apr. 23/86	Jan 12/87	Aug 5/87	5/16/87 EEL 2/2/91 SSS
1398	Mahadevan Sauer Erfler	Preparation of protease from mixed rumen microorganisms and its use for the in vitro determination of feed protein degradability	Can. J. Anim.	Apr. 24/86	Jan 19/87	11/10/87	
1399	Wood Erfler Teather	Use of complex formation between Congo Red and Polysaccharides in detection and assay of Polysaccharide hydrolases No - Publication	Methods in Enzymology	To be submitted by FRC			

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1400	Prelusky Trenholm Hamilton Miller	Studies on the Transmission of [ <sup>14</sup> C]-Deoxynivalenol to eggs following oral administration to laying hens.	J. Agric. and Food Chemistry	Apr. 28/86	Jan 26/87	Apr 13/87	5/10/87 EEL 2/2/91 SSS
1401	Phillips Fraser	Design, cost and performance of a free-access two-level pen for growing-finishing pigs.	Canadian Agricultural Engineering	Forwarded by ESRI	Recd 100 from Fraser	Sept. 9/87.	
1402	Patni Jui	Changes in solids and carbon content of dairy cattle slurry in farm tanks	Agricultural Wastes	May 16, 1986	100/015X1 Oct 20/86	June 23/87	June 28/87 2/2/91 SSS
1403	Berggren-Thomas Kaattari Hohenboken Shrestha Heaney	Inheritance of active and passive immunity traits in sheep	J. Anim. Science	To be submitted by Hohenboken		May 26/87	5/10/87 2/2/91 EEL SSS
1404	Khan, Kacew Akhtar	Bioavailability of bound <sup>14</sup> C-residues in rats from bean plants treated with <sup>14</sup> C-deltamethrin	Chemosphere	To be submitted by FRC May 21/86			2/2/91 SSS
1405	Grunder Chambers Fortin	Plasma very low density lipoproteins, abdominal fat lipase and fatness during rearing in two strains of broiler chickens	Poultry Sci.	May 22/86	May 24/87	July 27/87	
1406	Buckley Hamilton At. Amour Jagan	A cost-effective electronic system for monitoring time of oviposition in up to 1024 hens	Poultry Sci.	To be submitted by ESRC June 2/86			5/10/87 EEL SSS 2/2/91



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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1407	Foster Neish Lauren Trenholm Prelusky Hamilton	Fungal and Mycotoxin Content of Slashed Corn	Microbiologie Aliments Nutrition	June 10/86	Jan 30/87	Jul 2/87	
1408	Ainsworth Downey	A controlled internal drug release dispenser containing progesterone for control of the estrous cycle of ewes	Theriogenology	June 10/86	Sept 8/87	Dec 9/87	Apr. 1/88 2/2/91 SSS
1409	Ponzilius Nagai, Marcus Hackett	Survival of bisected mouse embryos after pronase and Ca+Mg-free treatments	Theriogenology	June 26/86	June 23/87	Oct 7/87	
1410	Hidiroglou McAllister Williams	Prepartum supplementation of selenium and vitamin E to dairy cows: Assessment of their selenium status and reproductive performance	J. Dairy Sci.	July 7/86	Apr. 21/87	July 26/87	Aug 19/87 2/2/91 ECL -SSS
1411	Foster Trenholm Friend Thompson Hartin	The effect of a propionate feed preservative in deoxynivalenol (vomitoxin) containing corn diets fed to swine	Can. J. Animal Science	July 7/86	Nov 9/87	Feb 2/88	Feb 11/88 ECL 2/2/91 SSS
1412	Lin, McAllister Ng-Kwai-Hang Hayes, Batra Lee, Roy Vesely, Wauthy Winter	Associations of milk protein types with growth and reproductive performance of dairy heifers	J. Dairy Sci.	July 9/86	Dec 3/86	Apr. 13/87	

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1413	Ivan, M.	Absorption and secretion of zinc-65 in the stomach and intestinal tract of sheep exchanging digesta via duodenal re-entrant cannulae	British J. of Nutrition	July 17/86	3/3/87	July 17/87	July 21/87 25/2/91 EEL SS
1414	Basarab Shrestha Parker	Effects of birth type, age of dam entry weight and pre-station gain on test station results of ram lambs	Can. J. Anim. Sci.	July 21/86 By sr. author	2/3/87	3/9/87	25/2/91 EEL SS
1415	Akhtar, M.H.	The disposition of bound <sup>14</sup> C-agrochemical residues in plants and animal tissues when consumed by animals	Internat. Union of Pure & Applied Chemistry	July 23/86	rec'd 10 Apr 29/87	14/9/87	25/2/91 EEL SS
1416	Fraser Rushen	A plea for precision in describing observational methods	Applied Animal Behaviour Science	July 28/86	27/4/87	✓	Nov. 13/87 25/2/91 EEL SS
1417	Hidioglou	Kinetics of intravenously administered 25-hydroxyvitamin D <sub>3</sub> in sheep and effect of exposure to ultraviolet radiation.	J. of Animal Science	Aug. 11/86	July 9/87	Sept. 13/87	6/10/87 25/2/91 EEL SS
1418	Iida, Mizuma Nagai	Heterosis in survival of transferred mouse embryos	Zeitschrift für Versuchstierkunde	Aug. 12/86	By Iida Dr Iida	10 from Dr Iida	
1419	Rushen, Pajor	Offence and defence in fights between young pigs	Animal Behaviour	Aug. 18/86	2/2/87		Apr 1/87 25/2/91 EEL SS
1420	Sibbald	Measurement of bioavailable amino acids in feedingstuffs for poultry and pigs: a review <i>Re-submitted</i>	Can. J. of Anim. Sci.	Aug. 19/86 <i>Dec. 4/86</i>	2/24/87 <i>May 7/87</i>	July 31/87	Aug 19/87 25/2/91 EEL SS

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1421	Kramer, Sauer Blackwell	Structure of a new aminophospholipid from Methanobacterium thermoautotropicum	The Biochemical Journal	Aug. 29/86	May 6/87	Aug 28/87	
1422	McAllister Chesnais Batra, Lee Lin, Roy, Vesely, Wauthy Winter	Herdlife lactation yield, herdlife and survival of Holstein and Ayrshire based lines of dairy cattle	J. of Dairy Science	Sept. 2/86	June 16/87	Aug 31/87	2/4/91 SS
1423	Fraser	Suckling behaviour of artificially reared lambs: What kind of teat elicits spontaneous sucking?	Applied Behaviour Science	Sept. 4/86	Sept 21/87	Mar 88	April/88 25/4/91 SS
1424	Dohoo Heaney Stevenson Samagh Rhodes	The effects of Maedi-Visna virus on productivity in ewes	Preventive Veterinary Medicine	Sept. 8/86			17/11/87 EEL 25/2/91 SS
1425	Gopinath Mahadevan	Studies on the degradation of amino acids by cell-free extracts prepared from the rumen bacteria <u>Megasphaera elsdenii</u> , <u>Selenomonas ruminantium</u> and <u>Butyrivibrio fibrisolvens</u>	Can. J. Anim. Sci. NO - Publication	Sept. 11/86			
1426	Langford Ainsworth Marcus Shrestha	Photoperiod entrainment of different testosterone, LH, FSH and prolactin cycles in rams in relation to testis size and semen quality	Biology of Reproduction	Sept. 12/86	Aug. 28/87	Nov 3/87	May/88

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1427	Sibbald Wolynetz	Energy values of protein and crude lipid fractions in chickens	Poultry. Sci.	Sept. 25/86	Mar 28/88	June 10/88	25/2/91 585
1428	Spencer Gavora Gilka	Feather pulp organ cultures for assessing host resistance to infection with avian leukosis-sarcoma viruses	Avian Path.	Oct. 6/86		Oct 28/87	
1429	Rushen,	Fighting by young pigs: repeated encounters, weight differences and assessment of chance of success	Animal Behaviour	Oct. 10/86 June 1/87	Feb 25/88	Aug 22/88	
1430	Bagnell Frando Downey Tsang Ainsworth	Localization of relaxin in the pig follicle during preovulatory development	Biology of reproduction	Oct. 16/86 by U. of Hawaii		Nov 13/87	Nov. 13/87 25/2/91 585
1431	Fraser Rushen	Aggressive Behaviour	Vet. Clinics of N. America	Oct. 16/86	Apr 13/87	Aug 26/87	Nov 13/87 25/2/91 585
1432	Atwal Batra	Evaluation of an alfalfa silage-corn silage feeding program for dairy heifers from 200-300 kg body growth	Canadian J. of Anim. Sci.	Oct. 16/86	Aug 10/87	Nov 5/87	Apr. 188 25/2/91 585
1433	Sibbald Wolynetz	Effects of dietary fat level and lysine; energy ration on energy utilization and tissue synthesis by broiler chicks	Poult. Sci.	Oct. 16/86	Oct 27/87		Apr. 188 25/2/91 585
1434	Hidiroglou Proulx Jolette	Effect of intraruminal, selenium coated soluble-glass bolus on selenium status in cattle	J. An. Sci.	Oct. 21/86	July 30/87	Sept 25/87	6/10/87 25/2/91 585



Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1435	Shrestha Vesely	Evaluation of established breeds of sheep in Canada for eye productivity <i>NO Publication</i>	Can. J. Anim. Sci.	Oct. 27/86			
1436	Fiser Ainsworth Fairfull	Evaluation of a new diluent and different processing procedures for the cryopreservation of ram semen	Theriogenology	Oct. 27/86	Dec. 14/87	Feb 23/88	
1437	Wolynetz Sibbald	The need for comparative slaughter experiments in poultry research	Poultry Sci. by ESRC	Oct. 31/86		Mar 1988	April 1988 2/2/88 JJJ
1438	Lin	Application of singular value decomposition to restricted maximum likelihood estimation of variance components	J. Dairy Sci.	Nov. 14/86	Nov 9/87	Feb 23/88	
1439	Prelusky Veira Trenholm Foster	Metabolic Fate and Elimination in Milk, Urine and Bile of Deoxynivalenol Following Administration to Lactating Sheep	J. Env. Sci. Health	Nov. 17/86	Jan 13/87	Apr. 28/87	5/10/87 EEL 2/2/88 JJJ
1440	Teather Sauer	A naturally compartmented rumen simulation system for the continuous culture of rumen bacteria and protozoa	J. Dairy Sci	Nov. 17/86	Mar 2/88	May 18/88	
1441	Sauer Teather	Changes in oxidation reduction potentials and volatile fatty acid production by rumen bacterial when methane synthesis is inhibited	J. Dairy Sci.	Nov. 17/86	Aug 24/87	Nov 9/87	
1442	Culley Patni	Soil compaction from liquid manure tanker traffic	Transactions of the Am. Soc. Agric. Eng.	Forwarded by LLRC			Apr. 1988 2/2/88 JJJ

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1443	Tsang Grunder Soares Narbaitz	Effects of dietary calcium deficiency, Vitamin D <sub>3</sub> Deficiency and substitution with 1a,25-dihydroxyvitamin D <sub>3</sub> on egg shell quality, egg production, and related traits	Poultry Sci. <i>re-submitted to Br. Poultry Sci</i>	Dec. 2/86 9/3/87 Jan 17/89	23/mar/90	2/Aug/90	
1444	Fairfull Gowe Nagai	Dominance and epistasis in heterosis of White Leghorn strain crosses	Can. J. An. Sci.	Dec. 2/86	Aug 10/87	Nov 5/87	Apr 1/88 25/1/88
1445	Prelusky Hamilton Foster Trénholm Thompson	The use of a chick embryotoxicity bioassay for determination of potential toxicity of fungal metabolites	Assoc. of Off. Analytical Chemists	Dec. 16/86	Sept 23/87	Feb 2/88	25/1/88 25/1/88
1446	Tsang Taheri Ainsworth Downey	17d-hydroxylase and C 17-20-lyase activities in porcine granulosa and theca interna cells	Can. J. of Physiology & Pharmacology	To be submitted by Tsang Dec. 16/86		10 x. Dec 24/87	April/88 25/1/88
1447	Batra	Effect of complete dry cow therapy on mastitis control in dairy cattle.	Can. J. An. Sci.	Dec. 22/86	Apr. 26/88	July 8/88	
1448	Marcus Durnford	Estradiol Assay by Microtitre Plate Enzyme Immunoassay	J. of Steroid Biochemistry	Dec. 30/86	Jan 4/88	Feb. 21/88	
1449	Marcus McAllister Hackett	Relation of prepubertal serum steroid profiles to first lactation milk yield	Can. J. An. Sci.	Dec. 30/86	Oct 27/87	Feb 2/88	

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1450	Gavora Batra, Bernon Chambers, Fahmy Fairull Grunder Lee, Nagai Shrestha Wilton	Animal breeding: Advances over the past two decades and prospects <i>Rejected</i>  <i>Resubmitted</i> <i>Rejected</i>	Can. J. Genet. & Cytology  Can. J. Anim. Sci.	Dec. 30/86  May 7/87	Published as ag Canada Bulletin 1989		
1451	Fisher Lessard	Intake and digestibility of corn, rye and sorghum-sudan grass silages	Can. J. Anim. Sci.	Jan. 5/87	10 c Jan 27/87		
1452	Petit Ivan Brisson	The use of an oxalate-NaOH buffer to study milk replacer coagulation in preruminant calves	J. Dairy Sci	submitted by Dr. Brisson			Apr. 188 2/2/88
1453	Shrestha Heaney	Genetic basis of variation in reproductive performance (1) ewe lambs treated with fluorogestosterone acetate and PMSG in a controlled environment	Anim. Reprod. Sci.	Jan. 8/87	Aug 26/87 - Jul 23/88		Mar 188 2/12/88
1454	Batra, Lin McAllister Lee, Roy Vesely Wauthy, Winter	Multitrait estimation of genetic parameters of lactation curves in Holstein heifers	J. Dairy Sc.	Jan. 8/87	Sept 11/87 Nov 24/87		
1455	Patience Wolynetz Friend HARTIN	A comparison of two urine collection methods for female swine	Can. J. An. Sci.	Jan. 9/87	Jan 5/87 Aug 14/87		Apr 188 2/2/88

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1456	Sibbald Wolynetz	A comparison of the amounts of energy and nitrogen voided as excreta by cockerels housed over trays or fitted with harnesses and plastic collection bags	Poultry Science	Jan. 13/87	Nov. 3/87	Mar. 88	Apr. 13/88 2/24/88
1457	Cave	Bioavailability of amino acids in plant feedstuffs determined by in vitro digestion, chick growth assay and true amino acid availability methods	Poult. Sci.	Jan. 19/87	Dec 17/87	Apr 25/88	2/14/88
1458	Sibbald Wolynetz	Bioavailabilities of L-lysine HCL and DL-methionine Fed to Adult Cockerels as Supplements to Two Practical Diets	<del>Poult. Sci.</del> Nutrition Reports Internat.	<del>Jan. 19/87</del> Mar. 28/88			2/12/88
1459 <sup>+</sup>	Jenkins Bona	Performance of calves fed combinations of whole milk and reconstituted skim milk powder	J. Dairy Sci.	Jan. 29/87	Aug 28/87	Nov. 19/87	Mar 1/88 2/24/88
1460	Lin, Lee, McAllister, Batra, Roy, Vesely, Wauthy, Winter	Intercorrelations among production traits and body and udder measurements in Holstein heifers	J. Dairy Sci.	Jan. 29/87	Oct 6/87	Dec 24/87	
1461	Khan, Behki, Tapping, Akhtar	Deltamethrin residues in an organic soil under laboratory conditions and its degradation by a bacterial strain	J. Agric. Food Chem.	Feb. 25/87	Rec'd 10 from Akhtar	11/8/88	11/5/88 2/24/88
1459 B	de Passille, Rucker	Suckling and teat discharges by neonatal piglets	Appl. An. Behav. Sci. 22: 23-38		Rec'd 10 from University of Minnesota	Rec'd 10 from University of Minnesota	



Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1462	Chambers Lin	Age- versus weight-constant feed consumption and efficiency in broiler chickens	Poultry Sci.	Feb. 26/87	Apr 8/88	Aug 2/88	
1463	Langford Shrestha Sanford Marcus	Reproductive hormone levels in ram lambs after puberty in relation to breed, adult testis size and semen quality <i>NO-Pulchra</i>	J. Anim. Sci. <i>re-submitted</i>	Mar. 6/87 Mar. 17/88			
1464	Grunder Chambers	Genetic parameters of plasma very low density lipoproteins, abdominal fat lipase and protein, fatness and growth traits of broiler chickens	Poultry Sci.	March 6/87	Feb 12/88	May 9/88	
1465	Petit, H.V., Ivan Brisson	Duodenal flow of digesta in preruminant calves fed a clotting or a non-clotting milk replacer	J. Dairy Science	to be sent by Dr. Brisson		10 from Ivan	
1466	Prelusky Hartin Trenholm Miller	Pharmacokinetic Fate of <sup>14</sup> C-labelled deoxynivalenol in swine	Fundamental and Applied Toxicology	Mar. 16/87	Nov 3/87	March 29/88	SS 24/91
1467	Fraser	Mineral-deficient diets and the pig's attraction to blood: Implications for tail-biting	Can. J. An. Sci.	Mar. 16/87	Nov 2/87	Feb 2/88	Apr 1/88 SS 25/2/91
1468	Lee, Lin McAllister Winter, Roy Vesely Wauthy, Batra Atwal	Growth and feed efficiency of pureline and crossline dairy heifers	J. Dairy Sci.	March 26/87	Mar 26/88	20/5/88	30/6/88 25/2/91 SS

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1469	Petit, Ivan Brisson	Digestibility and blood parameters in the preruminant calf fed a clotting or a non-clotting milk replacer	J. Anim. Sci.	March 26/87		Apr 26/88	Apr 188 25/1/91 555
1470	Petit, Ivan Brisson	Comparison of polyethylene glycol and chromiun-ethlenediamine tetraacetic acid as markers for measuring ileal flow in the preruminant calf	Can. J. Animal Science	March 26/87		10 Feb 10/88	Apr 1/88 25/1/91 555
1471	Petit, Ivan Brisson	Digestability measured by fecal and ileal collection in preruminant calves fed a clotting or a non-clotting milk replacer	J. Dairy Anim Sci.	March 26/87		10 from June 88	
1472	Petit, Ivan Brisson	Effects of duodenal infusion of glucose on blood parameters, ileal flow, and digestibility in preruminant calves fed a non-clotting milk replacer	J. Dairy Sci.	March 26/87		10 from IVAN	
1473	Jenkins Hidiroglou	Effect of excess iron in milk replacer on calf performance	J. Dairy Sci.	Apr. 6/87	16/10/87	24/11/87	14/3/88 24/1/91 EEL 555
1474	Martinez, Lee	Age and Zebu-Holstein additive and Heterotic effects on lactation performance and reproduction in Brazil	J. Dairy Sci.	Apr. 7/87	Feb 17/88	28/4/88	30/6/88 25/1/91 555
1475	Hocking McAllister Wolynetz Batra, Lee Lin, Roy Vesely, Wauthy Winter	Factors affecting length of herd life in purebred and crossbred dairy cattle	J. Dairy Sci.	Apr. 8/87	May 28/88	20/5/88.	2/1/91 555

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1476	Hocking McAllister Wolynetz Batra, Lee Lin, Roy Vesely Wauthy Winter	Factors affecting culling and survival during rearing and first lactation in purebred and cross-bred dairy cattle	Animal Prod.	Apr. 9/87	July 30/87	May/88	25/4/88 SSS
1477	Lee	Correlations between adjacent day and adjacent test day fat percent, fat yield and milk yield	Can. J. of Anim. Sci.	Apr. 13/87	Jan 27/88	Apr. 27/88	June 30/88 24/2/91 SSS
1478	Nagai	Maternal and fetal effects in mammals <del>no publication</del>	Biology of Reproduction	Apr. 13/87 <del>Rejected</del>			
1479	Hamilton Trenholm Thompson	Chemical, nutritive, deoxynivalenol and zearalenone content of corn relative to the site of inoculation with different isolates of <u>Fusarium graminearum</u>	J. of the Sci. of Food and Agriculture	Apr. 15/87 100 for ESRC	Left 15/87		June 2/88 25/2/91 SSS
1480	Rushen	A difference in weight reduces fighting when unacquainted newly-weaned pigs first meet	Canadian J. Anim. Sci.	April 22/87	Nov 2/87	Feb 2/88	Apr 1/88 05/2/91 SSS
1481	Jenkins Hidioglou	Binding of <sup>75</sup> Se to blood and liver cytosolic proteins in the pre-rumiant calf	J. Dairy Science	April 23/87	Jan 19/88	Mar/88	Apr 1/88 SSS 25/2/91
1482	Fortin Raymond	The use of electronic grading probes for the objective assessment of PSE and DFD in Pork Carcasses	Meat Science	April 23/87	Nov. 16/87	June 3/88	June 8/88 SSS 19/4/88

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1483	Jenkins Kramer	Effect of dietary iron stress on lipid composition of calf liver, heart, and skeletal muscle	J. Dairy Sci.	April 24/87	Jan 19/88	Mar 27/88	Apr 1/88 2/2/91 SSS
1484	Fairfull Gowe	The effects of hatch, rearing cage level, and brooding-rearing strains intermingled or separate on the subsequent performance of laying hens <i>NO PUBLICATION</i>	Poultry Sci.	April 29/87	<i>unsent</i>		
1485	Phillips Thompson Fraser	Preference tests of ramp designs for young pigs <i>NO PUBLICATION</i>	Can. J. Anim. Science	May 7/87 by ESRC	—	—	May 5/88 2/2/91 SSS
1486	Kramer Farnworth Thompson Corner	The effect of short-term feeding of high fat diets rich in erucic acid on heart lesions in mature rats	Lipids	May 7/87	Feb 17/88	Apr 25/88	
1487	Akhtar Danis Trenholm Hartin	Residues in milk and tissues of lactating dairy cows fed deltamethrin for 28 consecutive days <i>Rejected Dec 1/87. NO PUBLICATION</i>	J. Agric. & Food Chem.	May 12/87			
1488	Ivan	Gastric and intestinal absorption and secretion of zinc-65 in sheep	Proc. Int. Symposium on Phys. of Ruminant Nutrition	May 22/87			Apr 1/88 6/2/91 SSS
1489	Fortin Raymond	The use of the electrical characteristics of muscle for the objective detection of PSE and DFD in pork carcasses under commercial conditions	Can. Inst. of Food Sci. and Technology J.	May 25/87	Mar 1/88	Aug 2/88	

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1490	Jenkins Griffith Hidiroglou Kramer	Bile acids and lipids in gall bladder bile of the preruminant calf	Nutrition Reports International	May 29/87	June 19/88	June 14/88 May 25/88	25/2/88 555
1491	Ivan Hidiroglou Al-Ismailay Al-Sumry Harper	Copper deficiency and posterior paralysis (Shalai) in small ruminants in the Sultanate of Oman	World Animal Health & Food	June 2/87 resubmitted 22/2/87	20/11/89	JAN - 8 1991	
1492	Nagai Lin <i>Rejected Apr 1/88</i>	Selection of genetically superior donor cows for embryo transfer based on performance of cows, progeny and clones	Theriogenology <i>no publication</i>	June 10/87			
1493	Hidiroglou	Vitamin E levels in sheep tissues at various times after a single oral administration of d- $\alpha$ -Tocopherol acetate.	Int. J. Vit. & Nutr. Res.	June 29/87	Oct 26/87	28/6/88	Apr 1/88 28/4/88 555
1494	Sauer Blackwell Kramer	Structure of purified cytoplasmic cofactor from methanobacterium thermoautotrophicum	Biochemical and Biophysical Research Communications	July 6/87	Sept 18/87	Nov 3/87	
1495	Fraser Phillips Thompson	Initial test of a farrowing crate with inward-sloping sides	Applied Animal Behaviour Sci.	July 16/87	6/8/87 ESAC	1/7/88 5/7/88	
1496	Tsang, B.K. Arodi, J. Ming, Li Ainsworth Srikandakumar Downey, B.R.	Gonadotropic regulation of prostaglandin production by ovarian follicular cells of the pig	Biology of Reproduction	July 13 Submitted by B.K. Tsang		May 1/88	May 11/88 28/4/88 555

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1497	Friend Fortin Poste Butler Kramer Burrows	Feeding and metabolism trials, and assessment of carcass and meat quality for growing-finishing pigs fed naked oats ( <i>avena nuda</i> )	Canadian J. An. Sci.	July 24/87	Apr. 26/88	July 8/88	2.13/89 2/2/91 S-J
1498	Hidiroglou Proulx	Evaluation of a long-acting selenium and copper preparation for intraruminal administration to cattle.	Annales de Recherches Veterinaires	July 28/87	Apr 29/88	Jan 30/89	Jan. 23/89 25/2/91 SJS
1499	Segura Gavora Spencer Fairfull Gowe Buckland	<sup>Some traits &amp; fertility of</sup> Effects of lymphoid leikosis virus infection on semen traits and fertility in leghorn chickens.	Br. Poult. Sci.	July 29/87	25/7/88	Oct 27/88	24/4/91 SJS
1500	de Passillé, Rushen Hartsock	Ontogeny of teat fidelity in pigs and its realtion to competition at suckling	Can. J. Anim. Sci.	To be submitted by de Passillé		15.0 Jan 30/89	
1501	Ivan	The effect of ciliate protozoa on ruminal solubility and liver copper in sheep fed low and high copper diets.	J. Anim. Sci.	Aug. 10/87	Jan 28/88	Jan 28/88	3/8/88
1502	Farnworth Kramer	Fetal Pig development in sows fed diets containing different fats	Can. J. Anim. Sci.	Aug. 20/87	Jan 28/88	Jan 27/88	
1503	Patience Farnworth	Preparation of neonatal pig carcass homogenates: Influence of autoclaving on proximate and lipid analysis	J. of the Sci. of Food & Agric. <i>rejected</i> CJAS	Aug. 20/87 Sept. 12/88	26/5/89	24/8/89	

*Re-submitted*

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1504	Robblee Farnworth Bird	Phospholipid profile and production of prostanoids by murine colonic epithelium: Effect of dietary fat	Lipids	Aug. 21/87 by: Robblee		July 12/88	
1505	Hidiroglou Karpinski	Pharmacokinetic disposition in sheep of various vitamin E preparations given orally or intravenously	British J. of Nutrition	Aug. 26/87	24/2/88	June 30/88	25-2-91/11 Apr 1988.
1506	Fagan, Buckley Tsang	An electronic eggshell thickness guage	Poult. Sci.	Aug. 31/87 by: ESRC		10c. Aug 29/88	
1507	Fiser, Fairfull	The effect of glycerol related osmotic changes on post-thaw survival of ram spermatozoa	Cryobiology	Sept. 29/87	Nov 30/88	Apr 14/89	
1508	Wolynetz Sibbald	The precision of bioassays for apparent and true metabolizable energy adjusted to zero nitrogen balance	Poultry Sci.	Sept. 30/87 by Wolynetz		2/11/88	
1509	Lin	Four equivalent sets of mixed model equations with relationship matrix for estimation of genetic parameters	J. Anim. Sci.	Oct. 2/87		May 11/88	Aug 2/88
1510	Sibbald Wolynetz	Comparisons of bioassays for true metabolizable energy adjusted to zero nitrogen balance	Poult. Sci.	Oct. 5/87	28/6/88	Sept 21/88	
1511	de Passillé Rushen Pelletier	Suckling behaviour and serum immunoglobulin levels in neonatal piglets	Anim. Prod.	Oct. 7/87	—	10c. Jan 22/89	

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1512	Veira, Proulx Butler, Fortin	Utilization of grass silage by cattle: Further observations on the effect of fishmeal	Can. J. Anim. Sci.	Oct. 16/87	Dec 6/88	Feb 10/89	
1513	Hamilton Trenholm	Distribution of deoxynivalenol and zearalenone between the kernels and the cob in ears of Fusarium graminearum inoculated and naturally infected corn	Microbiologie Aliments - Nutrition	Oct. 16/87	Feb 17/88	May 7/88	May 30/88 25-2-91 Aff
1514	Thompson Fraser	Variation in piglet weights: weight gains in the first days after birth and their relationship with later performance	Can. J. An. Sci.	Oct. 21/87 to be submitted by ESRC		Oct 26/88	
1515	Atwal Erfile	Comparison of wilted-alfalfa silage and high-moisture alfalfa hay treated with propionic acid in a total mixed diet for milking cows	Can. J. An. Sci.	Nov. 2/87	Aug 15/88	Oct 26/88	
1516	Tsang Grunder Soares Narbaitz	Effects of Vitamin D or calcium deficiency on estrogen metabolism in the laying hen	British Poult. Science	Nov. 12/87	Sept 27/88	Jan 30/89	
1517	Lin, McAllister Batra, Lee, Roy Vesely, Wauthy Winter	Effects of early and late breeding of heifers on lifetime performance of dairy cows	J. of Dairy Science	Nov. 25/87	Aug 4/88	Jan 30/89	
1518	Akhtar Trenholm Hamilton	Metabolism of fenvalerate in laying hens	J. Agric. & Food Chem.	Dec. 8/87	July 8/88	Jan 30/89	25-2-91 Aff

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
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1519	Nagai, Lin McAllister	Simultaneous estimation of genetic parameters of lifetime reproductive traits in mice	Can. J. Anim. Science	Dec. 9/87	Nov 25/88	Feb 10/89	
1520	Hidioglou	Effects of selenium and copper injections on blood selenium and copper profile and growth of heifers wintered on barley silage	Annales de Recherches Vétérinaires	Jan. 6/88	24/2/89	24/may/89	2.6 2/81 25-291 222 817
1521	Trenholm Foster Thompson Friend Hartin Albassam	Evaluation of swine fed diets containing biosynthetic and naturally infected sources of deoxynivalenol (vomitoxin)	Can. J. Anim. Sci.	Jan. 25/88	10/8/89		
1522	Cave	Effect of photoperiod during the juvenile phase of sexual maturation of the meat-strain fowl	Poult. Sci.	Jan. 25/88			
1523	Hidioglou Karpinski	Vitamin D status of housed sheep following ultraviolet irradiation or oral vitamin D <sub>3</sub> supplementation	J. Anim. Sci.	Feb. 2/88	Feb. 14/89	Mar 23/89	2/2/41-25
1524	Lin Lee	Simultaneous separation of additive and nonadditive genetic variances in non inbred populations under sire or fullsib model	Can. J. Anim. Sci.	Feb. 9/88	29/1/89	10/4/89	
1525	Kramer, Sauer Bundle	The presence of tightly bound Na or K in glycolipids of methanobacterium thermoautotrophicum	Biochim. Biophys. Acta	Feb. 18/88	Jan 15/88	Sept 21/88	
1526	Jenkins	Factors affecting poor performance and scours in preruminant calves fed corn oil	J. Dairy Sci.	Feb. 18/88	29/4/88	Dec 10/88	Jan 23/89 2/2/91 AAT

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1527	Sibbald Wolynetz	Research Note: Bioavailable energy of a pellet binder: an example of the statistics used to evaluate a component of a mixture	Poultry Sci.	Feb. 18/88	100 copies 26/7/89	1/2/89	See index Reviewed
1528	Grunder Hamilton Fairfull Thompson	Genetic parameters of egg shell quality traits and percent intact eggs between oviposition and grading	Poultry Sci.	Feb. 23/88	See 12/88	15/3/89	
1529	Jenkins Griffith Kramer	Plasma lipoproteins in neonatal, preruminant, and weaned calf	J. Dairy Sci.	Feb. 23/88	20/4/88	Dec 17/88	1/2/89 25-2/91 555
1530	Trenholm Prelusky Young Miller	A practical guide to the prevention of Fusarium mycotoxins in grain and animal feedstuffs	Arch. Env. Cont. and Toxic.	Feb. 23/88	26/10/88	25/4/89	
1531	Phillips Fraser	A water dispenser modified to promote piglets in the first days after birth	Canadian Agric Engineering	Feb. 25/88 by ESRC	50 copies Rec'd	3/12/89	
1532	Fraser Phillips Thompson Peeters Weem	Use of water by piglets in the first days after birth	Can. Journal of Anim. Sci.	Feb. 25/88	100 15 Aug 15/88	Oct 26/88	
1533	Batra Stear Lee Gavora	Association of bovine lymphocyte antigens (BoLA) with body weight, reproduction, and production traits of Holstein cows	J. Dairy Sci.	Mar. 1/88	July 4/89	Sept 21/89	
1534	Sauer Kramer	Antiketogenic Effects of Monensin in Early Lactation.	J. Dairy Sci.	Mar. 15/88	<del>21/13/88</del> 21/13/88	29/3/89	

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1535	Sabour Boogaard McAllister Gavora McKinlay	Detection of allelic variation of bovine $\kappa$ -casein locus by DNA restriction fragment length polymorphism. <i>Rejected</i>	Animal Genetics	Mar. 15/88			
1536	Charmley Ivan	The relative availability and toxicity of dietary copper as copper chloride, copper acetate and copper sulphate to sheep fed corn silage.	Can. Journal of Animal Sci.	Mar. 15/88	27/1/89	10/4/89	18/4/89 25/4/91 EEC
1537	Irvin Teather	Cloning and expression of a <u>Bacteroides succinogenes</u> mixed-linkage -gluconase (1 3) (1 4)-B-D-glucan hydrolase) gene in <u>Escherichia coli</u> .	Applied & Environmental Microbiology	Mar. 15/88	12/9/88	Dec 28/88	
1538	Pawluczuk Grunder	A modified Redox potential measurement for assessing quality of semen <i>NO Publication</i>	J. of Reprod. & Fertility	Mar. 28/88			
1539	Erfle Teather Wood, Irvin	Purification and properties of a (1-3)(1-4)-B-D-Glucanase [(1-3) (1-4)-B-D-Glucan-4-Glucano-Hydrolase] from <u>Bacteroides succinogenes</u> cloned in <u>escherichia coli</u>	Biochemical Journal	Mar. 28/88	Aug 11/88	Dec 28/88	Jan 10/91 25/4/91 EEC
1540	Kuhnlein Gavora Spencer Bernon Sabour	Differences in Frequency of Endogenous Viral Genes Between Two Strains of White Leghorn chickens Selected for Resistance and Susceptibility to Marek's Disease, Egg Production and Egg Weight.	Theoretical & Applied Genetics	March 30, 1988	10 copies rec'd via Dr Kuhnlein 25/4/89	20/4/89	
1535	Denicourt Sabour McAllister	Detection of bovine kappa-casein genomic variants by the polymerase chain reaction method	Nucleic Acids Research <i>Animal Genetics</i>	Aug. 15/89	90/03/02	21/8/90	

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1541	de S. Dayrell Ivan	True absorption of phosphorus in sheep fed corn silage and sorn silage supplemented with dicalcium or rock phosphate .	Can. J. of Animal Science	April 7/88	16/1/89	14/4/89	12/4/89 25/2/91 555
1542	Farnworth Noblet	The effect of sex and body weight on lipogenic enzyme activity in pigs <i>No Publication</i>	Reproduction Nutrition Développement	April 14/88	<i>unavailable</i>		
1543	Kramer, Sauer Farnworth	Identification and characterization of phospholipids	Lipids	April 29/88	9/8/89	20/9/89	
1544	Lin	A unified procedure of computing restricted best linear unbiased prediction and restricted selection index	Journal of Anim. Sci.	May 3/88	?	Rec'd 20 copies from journal	(V. 111 6/12/90)
1545	Farnworth Kramer	Changes in the lipid composition of fetal piglet internal organs	Can. J. Anim. Sci.	May 6/88	26/5/89	24/8/89	
1546	Fiser <del>Marek</del>	Continuous live-dead discrimination of ram sperm during freezing	Gamete Research	May 6/88	Nov. 30/88	5/mar-1/89	
1547	Jenkins Hidiroglou	Tolerance of the calf for excess copper in milk replacer	J. Dairy Sci.	May 24/88	15/10/88	15/3/89	21/3/89 cc. 25/2/91 555
1548	Charmley Veira <i>Rejected 19/10/88</i>	The inhibition of protein breakdown using heat in lucerne silages of differing dry matter content: Effects on silage composition and digestion in sheep	<i>re-submitted</i> J. Agric. Science J. Anim. Sci.	<del>June 1/88</del> Feb 22/89	<i>Charmley at Friesland Res. Sta.</i>	19/mar-1/90	
1549	Wolynetz Sibbald	Research Note: Among-bird variation in excreta energy corrected to zero nitrogen balance	Poult. Sci.	June 3/88 by ESRC			



Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1550	Nagai, Davis Bernon, Sabour	Growth and reproduction of mice with or without the rat growth Hormone gene <i>NO K. K. K.</i>	Can. J. Anim. Science	June 3/88	<i>withdrawn</i>		
1551	Hidiroglou	Mammary transfer of vitamin E in dairy cows	J. Dairy Sci.	June 7/88	<i>Feb. 13/89</i>	<i>Mar 9/89</i>	<i>15/5/89</i> <i>25/2/89</i>
1552	Langford Shrestha Marcus	Repeatability of scrotal size and semen quality measurements in <del>rams</del> in a short-day light regime	Anim. Reprod. Science	June 13/88		<i>July 7/89</i>	
1553	Ivan	The involvement of rumen protozoa in copper metabolism and animal health	The role of protozoa and fungi in ruminant bacteria	June 24/88	-	<i>10 from Dr Ivan</i>	
1554	Farnworth Kramer	Fetal and sow plasma fatty acid composition	Can. J. of Anim. Sci.	June 28/88	<i>28/7/89</i>	<i>1/12/89</i>	
1555	Thompson Hamilton	The prediction of percent shell using inverse specific gravity: Some problems in deriving an equation and in its application	Poult. Sci.	June 30/88 by ESRC	<i>By ESRC</i>	<i>Rec'd 100 copies from ESRC</i>	
1556	Narbaitz Tsang	Vitamin D deficiency in the chick embryo, effects on pre-hatching motility and on the growth and differentiation of bones, muscles and parathyroid glands	Calcified Tissue Internat.	July 4/88 <i>by Narbaitz</i>			
1557	Wolynetz Sibbald	The SEM of the TME estimates: effects of pooling excreta <sup>n</sup> samples and ignoring among control-bird variation	Poult. Sci.	July 8/88 by ESRC	<i>By ESRC</i>	<i>25 copies via ESRC</i>	<i>3/1/90</i>

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1558 <sup>a</sup>	de Passillé Rushen	Using early suckling behavior to identify piglets at risk <sup>NO</sup> <i>Publication</i>	Can. J. Anim. Sci.	Aug. 19/88			
1559 <sup>c</sup>	Prelusky Hamilton Trenholm	Transmission of residues to eggs following long-term administration of <sup>14</sup> C-labelled deoxynivalenol to laying hens	Poult. Sci.	Aug. 19/88	25/4/89	2/e 2/89	9/8/89 25/2/91 STS
1560 <sup>a</sup>	Gavora Kuhnlein Spencer	Absence of endogenous viral genes in an inbred line of leghorn chickens selected for high egg production and Marek's Disease resistance	J. Anim. Breed. & Genetics	Aug. 31/88	24/2/89	25/2/89	3/10/89 25/4/81 STS
<del>1564</del>	Lin, McAllister Ng-Kwai-Hang Hayes, Batra Lee, Roy Wesely, Wauthy Winter	Relationships of milk protein types to lifetime performance	J. Dairy Sci.	Sept. 1/88			
1559 <sup>c</sup>	Pomeroy Kramer Keller	Fatty acid changes during development of meconium-derived embryos of <i>Bombina orientalis</i>	?	?			

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					Ordered	Received	
1558	Kimura, M. Grunder Chambers Nagai	Hemoglobin types in four Canadian meat-type chicken populations	Animal Genetics	July 11/88			
1559	Karalus Downey Ainsworth	The influence of age and weight on the maintenance of ovulatory cycles and pregnancy in prepubertal gilts treated with PMSG and hCG	Anim. Reproduction Science	July 15/88 by: Downey	20/9/88	10 copies 22/8/90 from D. Downey	25/2/91
1560	Hamilton Blokpoel, H.	Effects of applying white mineral oil to birds, eggs. I. Protocol development using chicken eggs as a model	Wildlife Soc. Bulletin	Aug. 4/88			
1561	Blokpoel, H. Hamilton	Effects of applying white mineral oil to birds, eggs. II. Ring-billed gull eggs in the field	Wildlife Soc. Bulletin	Aug 4/88	✓	23/Apr/90	
1562	Phillips Thompson Fraser	The importance of cleat spacing in ramp design for young pigs <i>no publication</i>	Can. J. Anim. Sci.	to be submitted by ESRC			
1563	Akhtar <b>REJECTED</b>	Diphenyl ether cleavage of 3-phenoxybenzoic acid in the chicken	Drug Metabolism and Disposition	Aug. 16/88 Revised Dec 12/88			
1564	Lin, McAllister Ng-Kwai-Hang Hayes, Batra Lee, Roy Vesely, Wauthy Winter	Relationships of milk protein	J. Dairy Sci.	Sept. 1/88	1/11/89	9/2nd/90 200	
1563	Akhtar <i>submitted</i>	Fate of 3-phenoxybenzaldehyde: Diphenyl ether cleavage an important metabolic route in chickens	J. of Agric. & Food Chem.	April 3/89	AP-20/90	13/July/90	

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25/2/91

23/Apr/90

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AP-20/90

13/July/90

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					Ordered	Received	
1565	Grunder	Genetics of biochemical variants in chickens <i>Chapter 4</i>	Poult. Breed. & genetics	Sept. 12/88 by purolator	Sept 21/89	Feb 14/90	
1566	Hidiroglou	Vitamin E concentrations in blood plasma and sheep tissues after a single intraruminal or intraperitoneal administration of dl-alpha-tocopherol acetate	Research Veterinary Science	Sept. 21/88	Oct 11/89	APR 23/90	25/2/91 555
1567	Bagnell, Ayan Downey, Tsang Ainsworth,	Localization of relaxin during formation of the porcine corpus luteum	Biology of Reproduction	Sept. 21/88 by Bagnell	By Dr Bagnell	10 from Dr Bagnell	10/10/89 25/2/91 555
1568	Fraser Phillips	Lethargy and low water intake by sows during early lactation: a cause of low piglet weight gains and survival	Appl. Anim.	Sept. 22/88	29/5/89	10/10/89	
1569	Grunder Pawluczuk Fortin Chambers	Heritabilities and phenotypic and <del>Geflugelkunde</del> <i>genetic correlations</i>	Archiv fur Geflugelkunde	Oct. 13/88	?	25/10/89	
1570	Mullin, VJ Hamilton Blackwell, B	Measurement of phytate and inorganic phosphorus by NMR in foods, feeds and poultry excreta <i>NO Publication</i>	J. Agric. Food chemistry	Oct. 13/88 by FRC	<i>cancelled</i>		
1571	Fraser Phillips	A method for introducing pigs into free-access two-level pens	Can. J. Anim. Sci.	Oct. 24/88	26/7/89	11/10/89	
1572	Prelusky Hamilton Trenholm	Application of the Chick embryotoxicity bioassay for the evaluation of mycotoxin toxicity	Microbiologie Aliments Nutrition	Oct. 24/88	14/7/89	25/8/89	25/8/89 25/18/91 555
1573	Pawluczuk Grunder	Comparison of three methods of collecting semen from ganders	Poult Sci.	Oct. 24/88	30/11/89	10/APR/90	



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					Ordered	Received	
1574	Kuhnlein Sabour Gavora Fairfull Bernon	Influence of selection for egg production and Marek,s disease resistance on the incidence of endogenous viral genes in White Leghorns	Poult. Sci.	Oct. 24/88 by: Kuhnlein	By Kuhnlein	10 copies from Kuhnlein	
1575	Karpinski Hidiroglou	Monitoring vitamin E pools in sheep tissue and plasma after intravenous dosing of radio-tocopherol	British J. Nutrition	Oct. 24/88 by: KARPINSKI	4/12/89	5/June/90	
1576	Rushen Fraser	Nutritive and nonnutritive sucking and the temporal organization of the suckling behavior of domestic piglets	Developmental Psychobiology	Nov. 7/88	14/03/90	3/June/90 2	
1577	Martinez, Lee Lin	Multiplicative Age-season adjustment factors by maximum likelihood, gross and paired comparison procedures	J. Dairy Sci.	Nov. 15/88	06/03/90	5/June/90	
1578	Cave Hamilton Burrows	Evaluation of naked oats (Avena nuda) as a feedingstuff for laying hens	Can. J. An. Sci.	Nov. 16/88	1/8/89	1/10/89	
1579	Atwal Erflle	Feeding long hay does not affect day-to-day variations in fat percent of cow's milk.	Can. J. An. Sci.	Nov. 16/88	Apr. 30/90	29/8/90	25/2/91 aff
1580	Chambers Fortin Froehlich Larmond	Comparison of sensory properties of meat from broilers of modern stocks and experimental strains differing in growth and fatness	Can. Inst. Food Sci. & Tech. J.	Nov. 25/88	31/7/89	25 22/1/90 100 30/1/90 Dfeyr	

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					Ordered	Received	
1581	Jenkins	Effect of copper loading of pre-ruminant calves on intracellular distribution of hepatic copper, zinc, iron, molybdenum	J. Dairy Sci.	Dec. 2/88	3/8/89	30/10/89	24/11/89
1582	Sauer, Kramer Forester Butler	Polymitic and erucic acid metabolism in hearts from weanling pigs	Biochimica et Biophysica Acta	Dec. 2/88	12/6/89	25/8/89	
1583	Prelusky Warner Trenholm	Rapid and sensitive analysis of the mycotoxin zearalenone and its metabolites in various biological fluids by high-performance liquid chromatography	J. Chrom. Biomed. Appl.	Dec. 7/88	Prey Prelusky	22/11/89	23/11/89 24/11/89
1584	Kuhnlein Dawe Zadworny Gavora	DNA fingerprinting: a tool for determining genetic distances between strains of poultry	Theoretical & Applied Genetics	Dec. 12/88 by Kuhnlein			
1585	Marcus Alkemade Hackett, Lee Nagai	Superovulation in dairy cows with a commercial purified FSH preparation <i>NO Publication</i>	Theriogenology	Dec. 13/88			
1586	Gavora	Disease Genetics (Chapter 33.	Poultry Breeding and Genetics	Dec. 14/88			
1587	Fairfull	Heterosis (Chapter)	Poultry Breeding and Genetics	Oct. 4/88	14/2/89	14/Feb/90	
1588	Cave Wood Burrows	Improvement value of naked oats for broiler chickens and laying and breeding hens	Can. J. An. Science	Jan. 9/88	Apr. 27/90	29/Aug/90	

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1589	Jenkins Kramer	Influence of excess dietary copper on lipid composition of calf tissues <i>NO Publications</i>	J. Dairy Sci.	Dec. 21/88	Oct 3/89	3/Jan/90	10-1-88 25/4/81-55
1590	Kramer Farnworth Johnston Wolynetz Modler, Sauer	<del>Growth rate and myocardial changes</del> in newborn piglets fed <sup>some milk replacer</sup> diets containing <sup>high or low</sup> levels of erucic acid <i>Resubmitted</i>	J. of Nutr. <i>Rejected 13/3/89</i> <i>LIPIDS</i>	Dec. 23/88  18/5/89	22/Oct 90	21/Dec/90	
1591	Hidiroglou Atwal	Effect of intraperitoneally injected tocopherol on vitamin E status OF DAIRY COW.	Inter. J. vitamin Nutr. Res.	Dec. 29/88	17/5/89	5/1/90	10-1-90 2/4/91-55
1592	Ivan	Effects of faunation and type of dietary protein on gastric solubility and liver content copper in sheep	J. of Animal	Jan. 3/89	Oct 9, 89	17/Jan/90	
1593	Friend Fortin Butler Poste, Kramer Burrows	The feeding value of naked oats (Avena nuda) for boars and burrows: Growth, carcass and meat quality, energy and nitrogen metabolism	Can. J. Anim.	Jan. 4/89	31/7/89	1/12/89	
1594	Sibbald Wolynetz	Effect of acclimatization to an excreta collection harness on excreta energy voided during a TME <sub>n</sub> bioassay	Poult. Sci.	Jan. 10/89		3/Apr 89	
1595	Nagai, Davis Nonaka, Sasada	Growth and reproduction of mice developed from bisected embryos	Theriogenology	Jan. 20/89	3/1/90	7/2/90	
1596	Phillips Fraser Thompson	The influence of water nipple flow rate and position, and room temperature on sow water intake and spillage	Transactions of the Am. Soc of Ag. Eng.	Jan. 23/89 by ESRC	2/11/89	3/May/90	

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1597	Marsden Sauer Blackwell Kramer	Structure determination of the UDP-Disaccharide fragment of cytoplasmic cofactor isolated from methanobacterium thermoautotrophicum	Biochem. Biophys. Res. Communication	Jan. 31/89	28/2/89	May 11/89	
1598	Sibbald, Hall Wolynetz Fernandez Jorgensen	Relationships between bioavailable energy estimates made with pigs and cockerels	Animal Feed Sci. & Tech.	Feb. 2/89 100 to ESRC 30 text DANISH	By ESRC	Rec'd 25 copies from ESRC 6/2/90	
1599	Pomeroy M K Kramer Keller	Fatty acid changes during development of microspore-derived embryos of Brassica napus	Plant Physiol.	Feb. 2/89 by PRC		JUN 13 1991	
1600	Lee, Sliger Lin, McAllister Batra, Roy Vesely, Wauthy Winter	Feed efficiency of dairy cows during first lactation	Can. J. of Anim. Sci.	Feb. 2/89	Nov 1/89	25/2/90	
1601	Phillips Fraser	Water bowl size for newborn pigs	Transactions of the Amer. Soc. of Agric. Eng.	Feb. 20/89	22/1/90	30/4/90	
1602	Fraser	Piglet survival: a challenge for applied animal behaviour	Proc. 3rd Int. Conf. on Pig Repro. <del>and</del> J. Repro. & Fertil.	March 2/89	-	5/June/90	
1603	Patni Culley	Corn silage yields, shallow groundwater quality and soil properties under different methods and times of manure application	Transactions of the Amer. Soc. of Agric. Engineers	Mar 3/89	illeg 10/89 100 - ARC 100 LRRC	3/10/90 2-1/2/81 555	



Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1604	Hidioglou Butler, Ivan <i>Rejected 8/18/89</i>	Plasma vitamin E response in sheep dosed intraruminally or intraduodenally with various $\alpha$ -tocopherol compounds	British J. of Nutrition <i>Intern J for Vet + Nut Res.</i>	March 9/89 <i>resubmitted Sept 27/89</i>	1989	April 26/91	
1605	Segura Gavora Fairfull Gowe Buckland	Heritability estimates of male reproductive and morphological traits and their genetic correlations with female egg production and other related traits in chickens	Poult. Sci.	March 9/89	20 MAR 1990	23/AUG/90	
1606	Ainsworth Tsang Downey Marcus	The synthesis and actions of steroids and protaglandins during follicular maturation in the pig	3rd Internat. Cong. on Pig Reproduction <i>J. Repro Fert Surv</i>	March 28/89	—	5/June 90	25/4/91 555
1607	Chambers	Genetics of growth and meat production in chickens	Poult. Breed. & Genetics	April 3/89	21 Sept/89	14/Feb/90	
1608	Sibbald Wolynetz	Response of male broiler chickens to dietary lysine: TME <sub>n</sub> ratios during three consecutive 14-day periods from hatching	Poult. Sci.	April 18/89	By ESRC	1/11/90	
1609	Veira Proulx Seoane	Performance of crossbred steers fed grass silage with or without supplements of soybean meal, fish meal and barley	Can. J. Anim. Science	April 24/89	25/1/90	25/4/90	
1610	Gowe Fairfull	Genetic controls in selection (chapter)	Poultry Breed. & Genetics (a ref. book)	April 28/89	14/Sept/89	14/Feb/90	
1611	Fairfull Gowe	Egg Production: Chickens	same	April 28/89	14/Sept/89	14/Feb/90	

Cont. No.	Authors	Title <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">217</span>	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1612	Wolynetz Sibbald	Distribution of mortality among young male broiler chicks housed in 6-tiered battery brooders <i>NO Publications</i>	Poult. Sci. <i>Rejected</i>	May 8/89 by ESRC 11/8/89	—	—	<i>Rejected</i>
1613	Wood, Anderson Braaten Cave, Scott Vachon	Physiological effects of b-d-glucan rich fractions from oats	Cereal Foods World	May 8/89 by FRC			
1614	St-Laurent Hidiroglou Snoddon Nicholson	Effect of a-tocopherol supplementation to dair cows on milk and plasma vitamin E concentrations and on spontaneous oxidized flavour in milk	Can. J. Anim. Sci.	May 15/89 by Fredericton	<i>By Fredericton</i>	<i>6 copies from Hidiroglou</i>	
1615	Fiser Fairfull	Combined effect of glycerol concentration and cooling velocity on motility and acrosomal integrity of boar spermatozoa frozen in 0.5 ml straws	<del>Gamete Research</del> <i>mole. Repro. Devet</i> <i>Bo. submitted</i>	May 18/89	<i>25/10/89</i>	<i>16/march/90</i>	
1616	Fraser Thompson. BK	Armed sibling rivalry among suckling piglets	<i>Science</i> <i>Nature</i> <i>Bo. Univ. Würzburg</i>	<i>Aug 14/89</i> June 5/89 <i>June 19/90</i>	<i>June 27, 91</i>	<i>Oct. 30, 91</i>	
1617	Grunder Tsang Narbaitz	Effects of vitamin D <sub>3</sub> metabolites on physiological traits of White Leghorn hens	Poultry Sci.	June 8/89	<i>June 15/90</i>	<i>Oct 20/90</i>	
1618	Nagai Lin Sasada	Length of reproductive life increased by selection in mice <i>NO Publications</i>	Theoretical and Applied Genetics	June 20/89			

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1619	Wolynetz Sibbald	Estimates of lipid energy in broiler chicken carcasses	Poultry Sci	To be submitted by ESRC June '89	By ESRC/RPS	100 copies 5/Nov/90	
1620	Wolynetz Sibblad	Estimates of body components in broiler chickens from body weight and dry matter	Poultry Sci	" "	By ESRC/RPS	100 copies 5/Nov/90	
1621	Jenkins Hidioglou	Effects if elevated iodine in milk replacer on calf performance	J. Dairy Sci.	June 23/89	1/3/90	5/6/90	2/2/91 555
1622	Charmley, E. Veira, D.M.	Inhibition of proteolysis in alfalfa silages using heat at harvest: Effects on digestion in the rumen voluntary intake and animal performance	J. An. Sci.	July 4/89	June 13/90	21/Aug/90	
<del>1623</del> 1632a	Hidioglou	Response of plasma and tissue vitamin E in sheep to graded dietary levels of dl-a-tocopherol acetate	Research Veterinary Sci.	July 11/89	Apr 6/90	2/8/90	1/2/91 25-2-91
1624	Ivan, Proulx Vega, Codagnone Dayrell	The relative accumulation of copper in the liver of sheep and cattle fed practical diets supplemented with copper sulfate or copper chloride	Can. J. Anim. Science	July 14/89	1/Nov 15/90	29/Dec/90	
1625	McAllister, Vesely Batra, Lee, Lin, Roy, Wauthy, Winter	Genetic changes in protein, milk and butterfat yields as a response to selection for protein yield in a closed population of Holsteins	J. Dairy Sci.	July 18/89	1/Nov 3/90	13/Sept/90	

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← Typo Error on Reprint

NO Reprints

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
		(219)					
1626	Grunder Cave Pawluczuk Butler Poste	<i>Rejected March 1990</i> Influence of breed, finisher diet, age and sex on liveweight and carcass traits of broiler geese <i>Rev. submitted May 15, 90</i>	Poultry Sci. <i>archiv für Geflügelkunde</i>	<del>July 18/89</del> <i>may 15/90</i>		25/09/90	
1627	Khan, Kacew Akhtar	Bound <sup>14</sup> C residues in stored wheat treated with <sup>14</sup> C-Deltamethrin and their bioavailability in rats	J. Agric. Food Chem.	July 25/89 by LRRRC	<i>Buy LRRRC</i>	10 from LRRRC	10 from 2/4/91 55
1628	Prelusky Scott Trenholm Lawrence	Minimal transmission of zearalenone to milk of dairy cows	J. Env. Sci. & Health	Aug. 8/89	<i>Order 1/89</i>	20/4/90	20/4/11 55
<i>1629</i>		<i>Molecular genetics of human cellular systems</i>	<i>VIII Internat Symp on Human Cell Phys.</i>			<i>April 8, 91</i>	
<i>1630</i>						<b>FEB 18 1991</b>	
1631	Patience Wolynetz	Influence of dietary underdetermined anion on acid-base status and performance and pigs	J. of Nutrition	Aug. 14/89	<i>sent order 100 for RIPS</i>	19/3/89	
<i>1632a</i>	<i>see 1623</i>						
1632b	Nonaka, K. Sasada, H. Maeda, T. Nagai, J.	Effect of parity and strain of recipients on survival of transferred embryos in mice.	Z. Versuchstierkd.	Aug. 17/89			
1633	Tsang Grunder Narbaitz	Optimal dietary level of 1 $\alpha$ -25-dihydroxycholecalciferol for egg shell quality in laying hens	Poultry Sci.	Aug. 21/89		25/09/90	<i>Rec'd</i>



Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1634	Friend Trenholm Thompson Hartin, Fiser Asem, Tsang	Reproductive efficiency of gilts fed very low levels of Zearalenone	Can. J. Anim. Sci.	Aug. 25/89	Apr 27/90	29/Aug/90	
1635	Nemec, Nielson Hidiroglou Proulx	Effect of vitamin E and selenium supplementation on some immune parameters following vaccination against brucellosis in cattle	Journal of Animal Science	Sept. 6/89 by ADRI	2/3/90	FEB 18 1991	
1636	Hidiroglou Ivan Hidiroglou	Kinetics of intravenously administered vitamin E in sheep and its biliary excretion	Ann. Rech. Vet.	Sept. 12/89	Apr 10/90	13/July/90	2/2/91 555
1637	Farnworth	The use of the neonatal pig as a model in human nutrition and metabolic studies: management, feeding and diet consideration	Nutrition Res. NO Publication	Sept. 18/89	Method		
1638	Cave	Effects of feeding level during pullet-layer transition and lighting during grower period on performance of broiler breeders	Poultry Sci.	Sept. 27/89	July 5/90	Oct 27/90	
1639	Atwal Hidiroglou Kramer, Binns	Effects of feeding a-tocopherol and calcium salts of fatty acids on vitamin E and fatty acid composition of cows milk	J. of Dairy Science	Oct. 23/89	25/09/90 JAN 18 1991	→	
1640	Cave, Van Wambeke, De. Groote	Sulfur amino acid requirements of broiler breeder hens - 1. Maintenance	Archiv fur Geflugelkunde	Oct. 27/89	By De Groote	Rec 12/90	
1641	Langford Shrestha	Seminal Vesicle activity during cyclic or tabilized testicular activity in rams	Anim. Reprod. Science	Oct. 27/89		Rec July 29	

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1642	Butler, Poste Grunder, Cave Pawluczuk	Influence of breed, finisher diet, sex and age at slaughter on cooking and sensory properties of broiler geese	Poultry Science	To be sent to 1/10/90	✓	Oct 31/90	
1643	Cave, Van Wambeke De Groote	Surfur amino acid requirements of broiler breeder hens. 2. Egg Production	Archiv fur Geflugelkunde	Oct. 31/89	Buy Delwate	Dec 12/90	
1644	Shrestha Heaney	Genetic basis of variation in reproduction performance (2) Genetic correlation between gestation length and prolificacy in sheep	Anim. Reprod. Science	Nov. 1/89	Sept 29/90	JAN 10 1991	✓
1645	Kuhnlein Zadworny, Dawe Fairfull	Assessment of inbreeding by DNA fingerprinting: Development of a calibration curve using defined strains of chickens	Genetics	Nov. 8/89 by Macdonald college	?	Nov 30, 91	
1646	Marcus,	Activation of cumulus-free mouse oocytes	Gamete Reserch	Nov. 15/89	2/12/90	10/7/90	
1647	Lin, Smith	Transformation of multivariate to mixed model analysis of data with multiple random effects	J. Dairy Sci.	Nov. 16/89	10/09/90	JAN 10 1991	
1648	Jenkins	Lipid compositional changes in calves fed excess iodine	J. Dairy Sci.	Nov. 16/89	10/09/90	JAN 10 1991	
1649	Prelusky Hartin Trenholm	Distribution of deoxynivalenol to swine and sheep	J. Env. Sci. & Health Part B	Nov. 17/89	1/3/90	2/1/2001/90 8/10 2001	

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1650	Buckley Lukow Lalonde Woods	A multilevel computer system for dough quality analysis and report distribution	Cereal Foods World	Nov. 24/89	20/2/90	4/13 July/90	
1651	Prelusky Hartin	A technique for serial sampling of cerebral spinal fluid from the conscious pig and sheep	Lab Animal Sci.	Nov. 24/89	Nov 16/90	26 26, 90	
1652	Gavora Spencer Okada Grunder	Correlations of genetic resistance of chickens to Marek's disease viruses with vaccination protection and in vivo response to phytohemagglutinin	Genetics, Selection, Evolution	Nov. 24/89	Nov. 16/90	Nov. 30, 91	
1652a	Robinson, C. P. O. STON, Virginia	Inter laboratory variation in a Diaminopimelic Acid assay.	J. Dairy Science	By Robinson	-	Jan. 94	
1653	Phillips Fraser Leclerc Thompson	Measurement of individual water intake by group housed piglets	Amer. Soc. Agr. Eng.	Nov. 27/89	Aug 7/90	Oct 18/90	
1654	Farnworth Kramer	Fat supplementation to the gestation diet of older sows and its effect on maternal and fetal fat metabolism	Comparative Biochem. Physiol.	Dec. 7/89	Oct 23/90	Nov 15/91 →	
1655	Hidiroglou Charmley	Comparative studies on bioavailability and tissue uptake of two intraruminally or intraperitoneally administered esters of α-tocopherol	Am. J. Vet. Res.	Dec. 14/89	Feb. 20/91	Mar. 7/91	
1656	Hidiroglou Ivan, Bryan Proulx Ribble Elliot	Assessment of the role of manganese in congenital joint laxity and dwarfism in calves No publication.	Annales de recherches	Dec. 21/89	Sept 27/90	JAN - 8 1991	

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1657	Laflamme Hidioglou	Effects of selenium and vitamin E administration on breeding of replacement heifers	Annales des recherches vétérinaires	Dec. 17/89		May 3/91	
1658	Mathur Patni Lévesque	Static pile, passive aeration composting of manure slurries using peat as a bulking agent	Biological Wastes	To be submitted by LRRC	By LRRC	10 from LRRC	Jan 10/91
1659	Teather Erfle	DNA sequence of a Fibrobacter succinogenes mixed linkage B-glucanase (1,3, -1,4-B-D-glucan 4-glucanohydrolase) gene	Journal of Bacteriology	Jan. 16/89	16/may/90	31/5/91	
1660	Politis Srikandakumar Turner, Tsang Ainsworth Downey	Changes in and partial identification of the plasminogen activator and plasminogen activator inhibitor systems during ovarian follicular maturation in the pig.	Biology of Reproduction	Submitted by Macdonald College	By Mac Donald	Rec'd 10 from Mac Donald Dec 14/90	Dec 14/90
1661	Topp Akhtar	Mineralization of 3-phenoxybenzoate by a two-membered bacterial co-culture	Cn. J. Microbiology	submitted by LRRC		10 copies sent 2/11/91	25/2/91
1662	Masse, Munroe	Effectiveness of knee braced stud and pole frames in windbracing Farm Structures	American Soc. of Agri. Eng.	Feb. 1/90		Feb 26, 92	
1663	Massé, Lee and Salinas	Theoretical behaviour of plate beams in pole-frame farm Bldgs.	<del>American Soc. of Agri. Eng.</del> Canadian Agricultural Engineering	<del>Feb. 2/90</del> May 29, 91		JAN 18 1991	

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American Soc. of Agri. Eng.  
Canadian Agricultural Engineering



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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1664	Naigai, Davis and Lin	Growth of mice produced by males with or without the rat growth hormone transgene <i>NO Publication</i>	Can. Journal of Animal Sci.	Feb. 5/90	Aug 9/90	<del>JAN 10 1991</del> 22/Oct/90	
1665	Jenkins Kramer	Some dietary effects on fatty acid composition of phosphatidylinositol in calf tissues	Nutrition Research	Feb. 8/90	Oct 18/90	Jan 20/91	APR - 4 1991
1666	Massé, Phillips and Munroe	Durability of Truss Connections in a Naturally Ventilated Swine	Trans. of the ASAE	Feb. 15/90	Apr 22/91	MAY 16 1991	
1667a	Atwal, Hidioglou and Kramer	Effects of feeding canola oil and -tocopherol on fatty acid composition and oxidative stability of cow's milk	J. Dairy Sci.	Feb. 15/90	OCT -- 1990	18/Apr/91 Rec'd REC. Aug 7/91	
1667b	Dr. J.N.B. Shrestha	FULL-FEEDING VERSUS OVERNIGHT FASTING FOR ASSESSING GROWTH POTENTIAL OF LAMBS	Small Ruminant Research	Feb. 19/90			
1668	Jenkins Kramer	Dietary oil effects on tissue lipids	J. Dairy Sci.	Feb. 20/90	Sept 20/90	JAN 18 1991 Jan 18/91	APR - 4 1991
1669	Langford Sanford Marcus Shrestha	Cyclic pituitary and testicular activities in rams are not inherent <i>NO Publication</i>	Biology of Reproduction	Feb. 21/90			



Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1670	Gavora Lister	Practical and ethical considerations of agricultural research assistance for the third world	J. of Agric.	Feb. 26/90	July 23/90	18/Oct/90	
1671	Sauer, Blackwell Kramer Marsden	Structure of a novel cofactor containing N-7-mercaptoheptanoyl-0-3-phosphothreonine	Biochemistry	Feb. 27/90	July 17/90	17/Sept/90	
1672	Hidioglou McDowett Ivan	Copper metabolism and status in cattle	Proc. Schering Trace Mineral Symposium	March 22/90	10 only Photo copies	10 only 21/Aug/90	✓ off 25-2-91
1673	Ivan, Charmley Neill Hidioglou	Metabolic changes in the rumen following protozoal inoculation of fauna-free sheep fed a corn silage diet supplemented with casein or soybean meal	J. of Anim. Science  in annales de recherches veterinaires	March 22/90	May 1/91	Aug 7, 1991	
1674	Harper Patrick Kramer, Wolyniec	Erythrocyte membrane lipid alterations in undernourished cerebral palsied children during high intakes of a soy oil-based enteral formula	Lipids	Aug 10/90 March 26/90 by Dr. Patrick	20/Sept/90	21/Nov/90 2	
1675	Veira, Charmley Butler, Aroeira Codagnone	The effect of frequency of feeding and supplementation with sucrose of alfalfa silage on fermentation in the rumen of sheep	Cdn. J. of Animal Science  US Publication	March 27/90	Oct 3, 91		
1676	Gavora, Kuhnlein Crittenden Spencer, Sabour	Endogenous Viral Genes: Association with Reduced Egg Production Rate, & Egg Size in White Leghorns	Poultry Science	March 29/90	JAN -- 1991	Rec'd 15/4/91 K	

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1677	C.P.W.Tsang & N.J.Daghir	The effect of 1 $\alpha$ ,25-dihydroxyvitamin D <sub>3</sub> on the performance of layers	Poultry Science	April 4/90	25/09/90	JAN 29 1991	
1678	M. Ivan M.Hidiroglou H.V. Petit	Changes in duodenal flow of nitrogen following protozoal inoculation of fauna-free sheep fed by a corn silage diet supplemented with casein or soybean meal.	Cdn. Journal of Animal Science	April 17/90		Jan 6, 92	
1679	P.L.Toutain M.P.Laurentie M. Hidiroglou	Vitamin E Kinetics after intraperitoneal administration of DL- $\alpha$ -Tocopherol in sheep	(submitted by Dr. Toutain) Brit.J.Nutrition	April 19/90			
1680	C.A.Bagnell W.Tsark L.Tashima B.R. Downey B.K.Tsang L. Ainsworth	Relaxin gene expression in the porcine follicle during pre-ovulatory development	(submitted by Dr.Ainsworth) Endocrinology	April 19/90			
1681	L.Wang J.R.Chambers I.McMillan	Heritabilities for growth, feed and carcass traits in a broiler dam population	Poultry Science (submitted by I.McMillan)	April 19/90		Rec'd April 15/91	
1682	Teather	Structure of b-glucanase genes from rumen bacteria	Microbial & Plant Opportunities to improve lignocellulose util. by ruminant	April 1990	10/09/90	FEB 18 1991	

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Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1683	C.Y. Ma M.R. Sahasrabudhe L.M. Poste V.R. Harwalkar J.R. Chambers	Gamma Irradiation of Shell Eggs. Internal and sensory quality, physicochemical characteristics, and functional properties	Cdn. Institute of Food Science and Technology Journal (submitted by FRC)	April 26, 1990			
1684	M. Hidioglou K. Karpinski	Disposition Kinetics and dosage regimen of vitamin E administered intramuscularly to sheep	British journal of Nutrition	May 1, 1990			
1685	P.S. Fiser C. Hansen K.L. Underhill J.N.B. Shrestha	The effect of induced ice nucleation (seeding) on the post-thaw motility and acrosomal integrity of boar spermatozoa	Animal Reproduction Science	May 1, 1990	NOV -- 1990	March 27/1991	
1686	D. Fraser P.A. Phillips B.K. Thompson T. Tennessen	Effect of straw on the behaviour of growing pigs	Applied Animal Behaviour Sci.	May 2, 1990		June 25/91	
1687	Y. Choinière J.A. Munroe D. Ménard F. Blais	Thermostat Location for a Naturally Ventilated Swine Barn	Cdn. Ag. Engineering	May 4, 1990	March, 11/91		
1688	Phillips Fraser	Discovery and use of selected water dispensers by newborn pigs	Can. J. of Anim. Sci.	May 16/90	Jan 25/91	May 10, 91	



NO.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
		228					
1689	E.R. Farnworth N. Dilawri H. Yamazati H.W. Modler J.D. Jones	Studies on the Effect of Adding Jerusalem Artichoke Flour to Pig Milk Replacer	Cdn. Journal Animal Science	May 30, 1990	June 21, 1990	Sept 30, 1991	
1690	J.D. Erfle R.M. Teather	Fiber Degradation by Rumen Microbes	Applied & Env. Microbiology	June 12/90		FEB 18 1991	
1691	H.L. Trenholm L.L. Charmley D.B. Prelusky R.M. Warner	The efficacy of two physical methods for the decontamination of Barley, Wheat, Corn and Rye contaminated with Deoxynivalenol and Zearalenone.	J. Ag. Food Chemistry	June 12/90	Oct 2/90 DEC -- 1990	2/10/91 2	
1692	D.B. Prelusky H.L. Trenholm	Tissue distribution of Deoxynivalenol in Swine Dosed Intravenously	J. Ag. Food Chem.	June 22/90	?	May 21, 91	
1693	B. Pawluczuk A.A. Grunder K. Sato J.S. Gavora	Research Note: <del>Redox Potential of Blood and Plasma of Mature Chickens Selected for Disease Resistance and Economic Traits.</del> <i>Rejected Aug 13/90 No Publication</i>	Poultry Sci.	June 25/90			
1694	L. Wang I. McMillan J.R. Chambers	Genetic correlations between growth, feed and carcass traits of broiled sire and dam populations.	Poultry Sci.	June 26, 1990	1	11/2/91	
1695	K.J. Jenkins M. Hidioglou	Tolerance of the preruminant calf for excess Mn & Zn in milk replacer.	J. Dairy Sci.	June 26, 1990	MAR - 5 1991	MAY 23 1991	

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
		229					
1696	P.S. Fiser C. Hansen L. Underhill G.J. Marcus	New thermoresistance test for boar sperm.	Cryobiology N.Y. Univ. Medical Ctr.	July 17/90	<del>Jan 2</del> 1991		
1697	M.P. Sabour U. Ramsey J. Nagai	Decreased frequency of the rat growth hormone transgene in mouse populations with or without selection for increased adult body weight.	Theor. & Appl. Genetics McGill Univ.	July 17/90	DEC -- 1990	April 26, 91	
1698	Charmley Veira	The effect of heat-treatment and gamma radiation on the composition of unwilted and wilted lucerne silages	Grass and Forage Science	July 20/90		March 18, 92	
1699	J.S. Gavora B. Benkel, H. Sasada, W.J. Cantwell P. Fiser R.M. Teather J. Nagai M.P. Sabour	An attempt at sperm-mediated gene transfer in ice and chickens	Cdn Animal Science	August 10, 90	May 2, 1991	Sept 30, 91	
1700	Appleby, Pajor Fraser	Effects of management options on creep feeding by piglets	Anim. Prod.	Sept. 7/90 by Appleby			
1701	N.K. Patni S.P. Clarke	Transient hazardous conditions in Animal Buildings due to manure gas released during slurry mixing	Applied Eng. Agriculture	Sept. 20/90	April 9, 91	Aug 23, 91	

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1702	A.A. Grunder B. Pawluczuk	Selection for egg production in two strains of geese & improvement of Management procedures.	Poultry Scien.	90/09/24	JUN 1991	Sept 30, 91	
1703	J.K.G. Kramer F.D. Sauer M.S. Wolynetz G. Forester	Lipid changes in pig heart as a result of perfusion <i>Published</i>	Biochimica Biophysica acta	90/09/09			
1704	Denicourt, D. Boogaard, C. McALLISTER, A. Sabour, M.P.	PCR and ASO Probes for detection of B-casein allelic variations Detection of allelic variations <i>NO Publication</i>	Dairy Science	90/09/05		<i>withdrewn from publication</i>	
1705	Jackson, H. Massé, D.	Comparison of modulated vs nonmodulated control systems for sidewall ...	Cdn Agr. Eng.	90/09/09		Feb. 26, 92	
1706	Hidiroglou Singh, K.	Plasma of tocopherol response of sheep to oral adm.....	Dairy Scienc.	90/10/15	May 31, 1991	Aug. 23, 91	
1707	Topp, E. Akhtar, M.	Identification and characterization of a bacterial isolate metabolizing ....	Applied Env. Microbial	90/10/16		Sept 30, 91	
1708	Phillips, P.A. Fraser, D. Thompson, B.	Preference by sows for a partially enclosed farrowing crate	Applied Animal	90/10/22	May 3/91	Nov 26, 91	
1709	Hackett, A.J. McAllister A.	Effect of two superovulation by treatments on subsequent fertility in the confined dairy cow.	Theriogenology	90/10/25			
1710	Pajor, E.A. Fraser, D. Kramer, D.	Consumation of Solid food-by suckling Pigs: Individual variation and Relation to weight gain	Applied Animal	90/10/25	June 27, 91	yes	

Cont. No.	Authors	Title	Journal	Forwarded	Reprints		Reviewed
					Ordered	Received	
1711	Hidiroglou, M Karpinski, K	Bioavailability of Vitamin E in sheep administered intramuscularly with -a-Tocopherol	Int. J Vitamin Res.	Nov. 14.90	APR - 3 1991 AVR JULY 23, 91 (Maha)	Received Feb 26	
1712	Hidiroglou, M	Plasma Kinetics of Tritiated D-Tocopherol in Sheep Given Intravenously in Emulsion or Ethanol	Animal Research Veterinary	November			
1713	Grunder Fairfull, RW Hamilton, RM Thompson, BK	Genetic & Phenotypic Correlations between measures of Egg Shell Quality or Percentage of Intact Eggs & other Economic Traits	Poultry Science	Nov. 20.90	JUN 1991	Sept 30, 91	
1714	Hacket Durnford Marcus Nagai	The effects of embryo donation on the reproductive performance of <i>No Publication</i>	Cdn Journal of Vet. Research	Nov. 21/90			
1715	Sauer, Frank	Inhibition of Methylcoenzyme M Methylreductase by a uridine 5'-Diphospho-N-Acetylglucosamine Derivative	Biochemical and Biophysical Research Communication	Dec 4/90	DEC -- 1990		
1716	Fraser, D Ball, R.O. Bernon, D	Enhanced attraction to blood by pigs with inadequate dietary protein supplementation <i>No Publication</i>	Cdn Journal of Animal Science	Dec. 19/90	Oct 3, 91		
1717	Hamilton, RMG Thompson, BK	The chemical & nutritive content of corn (Zen mays L.) before & after being flame roasted	Journal of the Science of Food & Agriculture	Dec 20/90			



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1729	Shrestha, J.	Productivity of Arcott Sheep Breeds &	Small Ruminant Res.
1728	McMillan, I. Fairfull, W. Gowe, R.S Gavora, J.	Evidence for genetic improvement of layer stocks of chickens during 1950-80 <i>No Publication</i>	World's Poultry Sci Assoc
1727	Fraser, D. Ruchen, J.	Colostrum intake by new born piglets	Cdn J. of Anim. Sci
1726	Frank, R. Patni, N.K.	Dissipation of Atrazine in a Clay Loam Soil	Arch. of Env. Contamination & Toxicology
1725	Veira, D.	Effect of supplement containing Rumen-Protected Amino Acids	J. of Animal Sci.
1724	Kramer, J. Fouchard, R.C. Farnworth, E.R.	Quantitating total & specific lipids in a small amount of biological samples by TLC/FID	Feb of Planar Chroma.
1723	Hidiroglou, M. Ivan, M.	Plasma a-tocopherol profiles in sheep after oral administration of dl-a-tocopheryl acetate & dl-a-tocopheryl polyethylene glycol-1000 succinate	Res. in Vet. Sci.
1722	Sasada, H. Nagai, J. Nonaka, K.	Development Potential of Mouse Embryos bisected at the 2- to 16 Cell stages <i>No Publication</i>	Molecular Reprod. & Devel
1721	Rotter, R.G. Thompson, B. Prelusky, D.	A preliminary examination of potential interactions between deoxynivalenol (DON) and other Fusarium metabolites in growing pigs <i>No Publication</i>	Cdn J. of Anim Sci.
1720	Ainsworth, L. Heaney, D.P.	Age at puberty & reproductive performance of ewe lambs reared under different photoregimes	Theriogenology
1719	Shrestha, J. Heaney, D.P.	Productivity of Arcott Sheep Breeds & their crosses. I. when lambs are raised with their dams <i>No Publication</i>	Small Ruminant Res.
1718	Ahn, D.U. Patience, J.F. Fortin, A.	The influence of Pre-slaughter oral loading of acid or base on postmortem changes in longissimus <i>No Publication</i>	Meat Sci

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1751	Demiroren, E. Shrestha, J.N.B. Boylan, W.J.	Ewe Production of Sheep Breeds Raised Artificially in a Controlled Environment	Animal Reproduction Science
1750	Zamir, L.O. Rotter, B. Devor, K.A. Vairinhos, F	Target-Oriented Inhibitors of the Late Stages of Trichothecene Biosynthesis: II. IN VIVO inhibitors and Chick Embryotoxicity Bioassay	Journal of Agriculture and Food Chemistry
1749	Fraser, D Phillips, P.A. Thompson, B.K.	Environmental preference testing to asses the well-being of animals -- an evolving paradigm	Journal of Agricultural & Environmental Ethics
1748	Ameli, H. Gavora, J.S. Spencer, J.L. Fairfull, R.W.	Genetic resistance to two Marek's disease viruses and its relationship to production traits in chickens	Canadian Journal of Animal Science
1747	Cave, N.A. Poste, L.M. Butler, G. Farnworth, E.E. Burrows, V.D.	Effect of Dietary Level of Naked Oats ( <i>Avena nuda</i> ) on Internal and Sensory Quality of Eggs and on Yolk Lipid Composition.	Canadian Journal of Animal Science
1746	McLaughlin, N.B. Heslop, L.C. Buckley, D.J. St. Amour, G.R. Compton, B.A. Jones, A.M. VanBodegom, P.	A General Purpose Tractor Instrumentation and Data Logging System.	Trans. Am. Soc. of Ag. Engineers.  Forwarded to N. McLaughlin at LRRC
1745	Batra, T.R. Stear, M.J.	Statistical methods to estimate relationships of major histocompatibility complex with economic traits	Canadian Journal of Animal Science <i>NS-Publisher</i>
1744	Kramer, J.K.G. Sauer, F.D.	Changes in the diether to tetraether lipid ratio during cell growth in <i>Methanobacterium thermoautotrophicum</i>	Fems Microbiol. Letters
1743	Prelusky, D. Yeung, J. Thompson, B. Trenholm, H.L.	Effects of Deoxynivalenol on Neurotransmitters in Discrete Regions of Swine Brain	Archives of Environmental Contamination and Toxicology
1742	Prelusky, D. Trenholm, H.L.	Non-Accumulation of Residues in Swine Tissue Following Extended Consumption of Deoxynivalenol-Contaminated Diets	Canadian Journal of Animal Science

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1741	Rotter, B.A. Thompson, B.K. Prelusky, D.B. Trenholm, H.L.	Evaluation of Potential Interactions involving Trichothecene Mycotoxins using the Chick Embryo Toxicity Bioassay	Archives of Envir Contamination & Toxicology
1740	Dayrell, M. Ivan, M. Hidiroglou, M.	The Effects of Rument Protozoa on Selenium Status in Sheep	Cdn. Journ. of Anim. Sci
1739	Buckley, D.J. Ricketson, C.L.	An Electronic System for Measuring and Recording the Dimensions of Horticultural Produce <i>NO-Publication</i>	Cdn. Journ. of Plant Sci
1738	Atwal, A.S. Erfe, J.D. Fagan, W.E.	Effects of feeding fishmeal to cows on digestibility, milk production and milk composition.	Journal of Dairy Sci.
1737	Hidiroglou, M. Ivan, M.	Plasma 1,25-dihydroxyvitamin D, insulin-like growth factor 1, calcium, magnesium and phosphorus levels in pregnant beef cows and infant calves from a herd with a known history of congenital joint laxity and dwarfism.	Research in Vet. Sci.
1736	Ivan, M. Dayrell, M. Hidiroglou, M.	Effects of Dietary Bentonite and Moneisn Supplements on Rumenal Solubilities and Liver Concentrations of Copper, Zinc, Iron, Manganese, Magnesium and Calcium in Fauna-free Faunated Sheep.	Journal of Dairy Sci.
1735	Boichard, D. Lee, A.J.	Approximate accuracy of genetic evaluation under a single trait animal model	Journal of Dairy Sci.
1734	Jenkins, K.J. Kramer, J.K.G.	Effect of excess dietary manganese on lipid composition of calf blood plasma, heart, and liver	Journal of Dairy Sci.
1733	Tsang, C.P.W.	Soluble Protein Constituents of the Chicken Eggshell	Calcified Tissue Int.
1732	Tsang, C.P.W.	Calcitriol Reduces Egg Breakage	Poultry Science <i>PS 68: 1018-1020 (1989)</i>
1731	Spencer, J.L. Chambers, J.R.	Endogenous Group Specific Viral Antigen in Meat-type Chickens on an Avian Leukosis Virus Eradication Program <i>NO-Publication</i>	Avian Pathology
1730	Frank, R. Glegg, B.S. Patni, N.K.	Dissipation of Cyanazine & Metolachlor Applied to a Loan Soil, Ont. Can. 1987-90	Archives of Environmental Contamination & Tox.