

INDEX

	PAGE		PAGE
Alexander, G.—		Beetroot tissue, Tris effect in ..	271, 283
<i>See</i> Cooper, D. W.	1175	Bellamy, A. R., and Bielecki, R. L.—	
Allelic crosses, behaviour of flanking		Some salt-uptake and tissue-aging	
markers in	1047	phenomena studied with cultured	
Apple fruit, study of surface wax deposits		tobacco cells	23
on	1017	Bielecki, R. L.—	
ap Rees, T.—		<i>See</i> Bellamy, A. R.	23
Evidence for the widespread occur-		Binet, F. E.—	
rence of induced respiration in slices		<i>See</i> Morris, J. A.	575
of plant tissues	981	Blackshaw, A. W., and Samisoni, J. I.—	
Ashton, G. C., Francis, J., and Ritson,		The effects of cryptorchism in the	
J. B.—		guinea pig on the isoenzymes of testi-	
Distribution of transferrin, albumin,		cular lactate dehydrogenase	841
post-albumin, amylase, and haemo-		Bohren, B. B.—	
globin genotypes in Droughtmaster		<i>See</i> Eisen, E. J.	1061
cattle	821	<i>Boophilus microplus</i> , metabolism of	
Aspinall, D.—		coumaphos in larvae of	619
Effects of day length and light inten-		Bowen, G. D.—	
sity on growth of barley. IV. Geneti-		<i>See</i> Rovira, A. D.	1167
cally controlled variation in response		Brady, C. J.—	
to photoperiod	517	On the nitrogen nutrition of silage	
<i>See also</i> Paleg, L. G.	719	strains of lactic acid bacteria ..	105
<i>Atriplex</i> , divalent cation absorption and		The redistribution of nitrogen in	
interaction in	37	silage by lactic-acid-producing	
		bacteria	123
Bacteriophage, isolation and properties		Bull semen, diluted, effect of casein,	
of a DNA-containing rod-shaped ..	565	lecithin, glycerol, and storage at 5°C	
Bailey, L. F.—		on	871
<i>See</i> Cooper, D. W.	1175	Bull spermatozoa, factors affecting the	
Bain, Joan M., and Mercer, F. V.—		metabolism of acetate and glucose by	857
Subcellular organization of the devel-		Burt, R. L.—	
oping cotyledons of <i>Pisum sativum</i> L.	49	Some effects of temperature on	
Subcellular organization of the cotyle-		carbohydrate utilization and plant	
dons in germinating seeds and seed-		growth	711
lings of <i>Pisum sativum</i> L.	69	Buttrose, M. S.—	
The relationship of the axis and the		Use of carbohydrate reserves during	
cotyledons in germinating seeds and		growth from cuttings of grape vine	247
seedlings of <i>Pisum sativum</i> L. ..	85		
Baker, E. P.—			
<i>See</i> McIntosh, R. A.	767, 943		
Barber, N. F.—			
<i>See</i> Probine, M. C.	439	Cabbage leaves, sulphhydryl-disulphide	
Barley, effects of day length and light		hypothesis in relation to desiccation	
intensity on growth of. IV, V ..	517, 719	injury of	291
Barley seedlings, calcium and mag-		Catcheside, D. G.—	
nesium uptake by	991	A second gene controlling allelic	
Beef insulin, reduced and <i>S</i> -carboxy-		recombination in <i>Neurospora crassa</i>	1039
methylated, preparation of A and B		Behaviour of flanking markers in	
chains from	1139	allelic crosses	1047

	PAGE		PAGE
Cattle, Droughtmaster, distribution of transferrin, albumin, post-albumin, amylase, and haemoglobin genotypes in	821	<i>Cymbidium</i> orchids, cultivated, isolation, purification, and some properties of two viruses from	555
Cattle, relationship between cyclic changes in the hair follicle and sweat gland size in	607	Davies, J. A.—	
Cattle tick, metabolism of coumaphos in larvae of	619	<i>See</i> Neales, T. F.	471
Cell membranes, solutions of the field equations in the fixed-charge model of <i>Chaetomorpha darwinii</i> , sodium and potassium transport in	459	Day, M. F., and Dudzinski, M. L.—	
Characean internodal cell, water permeability of	341	The effect of temperature on the development of <i>Sericesthis</i> iridescent virus	481
<i>Chara australis</i> , chloride in cells of ..	399	Diallel cross, sex-linked and maternal effects in	1061
<i>Chara</i> , efflux of chloride from cells of <i>Chenopodium amaranticolor</i> , effect of actinomycin D and 2-thiouracil on floral induction and nucleic acid synthesis in the bud in	545	Diallel test crossing, partial, simultaneous selfing and	795
<i>Chortoicetes terminifera</i> Walker, changes in relative amounts of soluble protein and amino acid in haemolymph of ..	355	Djakusumah, Taty, and Miles, P. W.—	
Clark Cockerham, C., and Matzinger, D. F.—	967	Changes in the relative amounts of soluble protein and amino acid in the haemolymph of the locust, <i>Chortoicetes terminifera</i> Walker (Orthoptera: Acrididae), in relation to dehydration and subsequent hydration	1081
Simultaneous selfing and partial diallel test crossing. III. Optimum selection procedures	1081	Dobson, C.—	
Clemmer, B. A.—		The demonstration of antibodies in the intestinal mucus of sheep infected with <i>Oesophagostomum columbianum</i> by means of the percutaneous anaphylaxis test	339
<i>See</i> Gill, J. L.	795	Dodd, W. A., Pitman, M. G., and West, J. R.—	
Cohen, D., Robinson, J. B., and Paleg, L. G.—		Sodium and potassium transport in the marine alga <i>Chaetomorpha darwinii</i>	341
Decapitated peas and diffusible gibberellins	535	Dolling, C. H. S.—	
Cooper, D. W., Bailey, L. F., Alexander, G., and Williams, D.—		<i>See</i> Piper, L. R.	1179
Serum transferrins of twin sheep-goat hybrids	1175	Downes, A. M., Ferguson, K. A., Gillespie, J. M., and Harrop, B. S.—	
Correlations between relatives when intermediates are fittest	301	A study of the proteins of the wool follicle	319
Coster, H. G. L.—		<i>Drosophila melanogaster</i> , genotypic control of longevity in, under two environmental regimes	587
Chloride in cells of <i>Chara australis</i>	545	<i>Drosophila</i> , pattern of abdominal microchaetae in	155
Cow, changes in the concentration of lipids and other constituents in the blood plasma of, from birth to 6 months of age	831	<i>Drosophila pseudoobscura</i> , competition between males in the determination of mating speed in	945
Cow, lactating, the effect of oil-feeding and starvation on the composition and output of lipid in thoracic duct lymph in	635	<i>Drosophila</i> , variation of scutellar bristles in. X, XII	807, 147
Cow, uptake of L-lactate and D-glucose by the mammary gland of	495	Dudzinski, M. L.—	
		<i>See</i> Day, M. F.	481

	PAGE		PAGE
Eisen, E. J., Bohren, B. B., and McKean, H. E.—		Gibson, A. H.—	
Sex-linked and maternal effects in the diallel cross	1061	Physical environment and symbiotic nitrogen fixation. III. Root temperature effects on shoot and root development and nitrogen distribution in <i>Trifolium subterraneum</i>	219
<i>Erysiphe graminis</i> var. <i>tritici</i> , differential reactions to three strains of ..	767	The carbohydrate requirements for symbiotic nitrogen fixation: a "whole-plant" growth analysis approach ..	499
Evans, L. T.—		Gillespie, J. M.—	
See Knox, R. B.	233	See Downes, A. M.	319
Evenari, M., Koller, D., and Guterman, Y.—		Gill, J. L., and Clemmer, B. A.—	
Effects of the environment of the mother plant on germination by control of seed-coat permeability to water in <i>Ononis sicula</i> Guss.	1007	Effects of selection and linkage on degree of inbreeding	307
Ewe, histological observations on the reproductive tract of	673	Grape vine, use of carbohydrate reserves during growth from cuttings of ..	247
Ferguson, K. A.—		Green, P. B., and King, A.—	
See Downes, A. M.	319	A mechanism for the origin of specifically oriented textures in development with special reference to <i>Nitella</i> wall texture	421
Fisher, J. M.—		Greenway, H., Gunn, A., and Thomas, D. A.—	
Observations on moulting of fourth-stage larvae of <i>Paratylenchus nanus</i>	1073	Plant response to saline substrates. VIII. Regulation of ion concentrations in salt-sensitive and halophytic species	741
Foster, R. C., and Marks, G. C.—		Griffing, B.—	
The fine structure of the mycorrhizas of <i>Pinus radiata</i> D. Don	1027	Influence of sex on selection. II. Contributions of autosomal genotypes having different values in the two sexes ..	593
Fowl, domestic, heterosis and selection in	575	III. Joint contributions of sex-linked and autosomal genes	775
Francis, J.—		Guinea pig, effects of cryptorchism in, on the isoenzymes of testicular lactate dehydrogenase	841
See Ashton, G. C.	821	Gunn, A.—	
Franki, R. I. B.—		See Greenway, H.	741
Isolation, purification, and some properties of two viruses from cultivated <i>Cymbidium</i> orchids	555	Guterman, Y.—	
Fraser, A. S.—		See Evenari, M.	1007
Variation of scutellar bristles in <i>Drosophila</i> . XII. Selection in scute lines	147	Hall, D. M.—	
Frater, R.—		A study of the surface wax deposits on apple fruit	1017
Comparison of similar protein components isolated from wool and wool roots	699	Hanger, B. C.—	
Fungal cellulases. XIV, XV, XVI, XVII, XVIII, XIX 715, 903, 919, 927, 935, 1153		See Millikan, C. R.	1, 733
Gaff, D. F.—		Harrap, B. S.—	
The sulphhydryl-disulphide hypothesis in relation to desiccation injury of cabbage leaves	291	See Downes, A. M.	319
Garnett, J. L.—		Harris, J. G.—	
See Osborne, W. B.	1101	See Hartmann, P. E.	635
George, E. P., and Simons, R.—		Hartmann, P. E.—	
Solutions of the field equations in the fixed-charge model of cell membranes	459	The uptake of L-lactate and D-glucose by the mammary gland of the cow	495

	PAGE		PAGE
Hartmann, P. E., Harris, J. G., and Lascelles, A. K.—		Kamiya, N.—	
The effect of oil-feeding and starvation on the composition and output of lipid in thoracic duct lymph in the lactating cow	635	See Tazawa, M.	399
Hodgkinson, K. C., and Veale, J. A.—		Kaul, D., and Parsons, P. A.—	
The distribution of photosynthate within lucerne as influenced by illumination	15	Competition between males in the determination of mating speed in <i>Drosophila pseudoobscura</i>	945
Hope, A. B., Simpson, A., and Walker, N. A.—		King, A.—	
The efflux of chloride from cells of <i>Nitella</i> and <i>Chara</i>	355	See Green, P. B.	421
Hope, R. M.—		King, N. K., and Winfield, M. E.—	
Association between serum alkaline phosphatase variants and the R-O-i blood group system in the Australian Merino	1171	Products of metmyoglobin oxidation at acid pH	211
Howard, J. A.—		Knox, R. B., and Evans, L. T.—	
Spectral energy relations of isobilateral leaves	757	Inflorescence initiation in <i>Lolium temulentum</i> L. VIII. Histochemical changes at the shoot apex during induction	233
James, J. W.—		Koller, D.—	
Correlations between relatives when intermediates are fittest	301	See Evenari, M.	1007
Jermyn, M. A.—		Lactic acid bacteria, nitrogen nutrition of silage strains of	105
Fungal cellulases. XIV. The synthesis of pentafluorophenyl β -D-glucopyranoside and its interaction with β -glucosidase and the β -glucosidase induction system in <i>Stachybotrys atra</i>	715	Lactic-acid-producing bacteria, redistribution of nitrogen in silage by	123
XV. Acceptor specificity of the aryl β -glucosidase of <i>Stachybotrys atra</i>	903	Lapwood, K. R., and Martin, I. C. A.—	
XVI. Alkane-1, ω -diols as acceptors for the β -glucosidase of <i>Stachybotrys atra</i>	919	The use of monosaccharides, disaccharides, and trisaccharides in synthetic diluents for the storage of ram spermatozoa at 37°C and 5°C	655
XVII. The behaviour of t-butyl alcohol, pinacol, and methanol as acceptors for the β -glucosidase of <i>Stachybotrys atra</i>	927	Lascelles, A. K.—	
XVIII. Ethyl L-lactate as an acceptor for the β -glucosidase of <i>Stachybotrys atra</i>	935	See Hartmann, P. E.	635
XIX. Polyhydroxylic acceptors for the β -glucosidase of <i>Stachybotrys atra</i>	1153	See also Shannon, A. D.	831
Johnston, Nancy V.—		Latter, B. D. H.—	
The pattern of abdominal microchaetae in <i>Drosophila</i>	155	The response to artificial selection due to autosomal genes of large effect. III. The effects of linkage on the rate of advance and approach to fixation in finite populations	131
		Lazaroff, N., and Pitman, M. G.—	
		Calcium and magnesium uptake by barley seedlings	991
		Leaves, isobilateral, spectral energy relations of	757
		Leaves of Western Australian species, reflection of visible radiation from <i>Lolium temulentum</i> L., inflorescence initiation in. VIII	233
		Lucerne, distribution of photosynthate within, as influenced by illumination	15
		MacRobbie, Enid, A. C.—	
		Metabolic effects on ion fluxes in <i>Nitella translucens</i> . I. Active influxes	363
		II. Tonoplast fluxes	371

	PAGE		PAGE
Mailman, D. S., and Mullins, L. J.—		Neales, T. F., and Davies, J. A.—	
The electrical measurement of chloride		The effect of photoperiod duration	
fluxes in <i>Nitella</i>	385	upon the respiratory activity of the	
Marks, G. C.—		roots of wheat seedlings	471
<i>See</i> Foster, R. C.	1027	<i>Neurospora crassa</i> , a second gene con-	
Martin, I. C. A.—		trolling allelic recombination in .. .	1039
Diluents for the preservation of ram		<i>Nitella</i> , efflux of chloride from cells of ..	355
spermatozoa. I. Diluents used at 37°C		<i>Nitella</i> , electrical measurement of	
and 5°C containing casein	645	chloride fluxes in	385
<i>See also</i> Lapwood, K. R.	655	<i>Nitella</i> , structure and plastic properties	
Matthews, R. E. F.—		of the cell wall of	439
<i>See</i> Watson, J. D.	967	<i>Nitella translucens</i> , metabolic effects on	
Matzinger, D. F.—		ion fluxes in. I, II	363, 371
<i>See</i> Clark Cockerham, C.	795	<i>Nitella</i> wall texture, origin of	421
Mauritzen, C. M.—			
<i>See</i> Stewart, P. R.	1125	O'Donnell, I. J.—	
Mauritzen, C. M., and Stewart, P. R.—		<i>See</i> Thompson, E. O. P.	1139
The disulphide and sulphydryl content		<i>Oesophagostomum columbianum</i> , demon-	
of fractions prepared by the ultra-		stration of antibodies in the intestinal	
centrifugation of doughs made from		mucus of sheep infected with	339
wheat flour	1111	<i>Ononis sicula</i> Guss., effects of the en-	
McIntosh, R. A., and Baker, E. P.—		vironment of the mother plant on	
Differential reactions to three strains		germination of	1007
of wheat powdery mildew (<i>Erysiphe</i>		Osborne, W. B., Wong, P. K., and	
<i>graminis</i> var. <i>tritici</i>)	767	Garnett, J. L.—	
Chromosome location of mature plant		The metabolism of tritiated testoster-	
leaf rust resistance in Chinese Spring		one by a wether	1101
wheat	943	O'Shea, T.—	
McKean, H. E.—		<i>See</i> Wales, R. G.	167
<i>See</i> Eisen, E. J.	1061	O'Shea, T., and Wales, R. G.—	
Mercer, F. V.—		Effect of casein, lecithin, glycerol, and	
<i>See</i> Bain, Joan M.	49, 69, 85	storage at 5°C on diluted ram and	
Metmyoglobin oxidation, products of, at		bull semen	871
acid pH	211	Osmond, C. B.—	
Miles, P. W.—		Divalent cation absorption and inter-	
<i>See</i> Djajakusumah, Taty	1081	action in <i>Atriplex</i>	37
Millikan, C. R., and Hanger, B. C.—			
Movement of previously deposited		Paleg, L. G.—	
⁴⁵ Ca in subterranean clover (<i>Trifolium</i>		<i>See</i> Cohen, D.	535
<i>subterraneum</i> L.) by foliar injections		Paleg, L. G., and Aspinall, D.—	
of certain cations	1	Effects of day length and light inten-	
Comparative effects of ammonium or		sity on growth of barley. V. Response	
sodium to substrates low in calcium,		by plants in the field to night inter-	
on the distribution of ⁴⁵ Ca in subter-		ruption	719
ranean clover	733	Panter, R. A., and Symons, R. H.—	
Morris, J. A., and Binet, F. E.—		Isolation and properties of a DNA-	
Heterosis and selection in the domestic		containing rod-shaped bacteriophage	565
fowl	575	<i>Paratylenchus nanus</i> , observations on	
Mullins, L. J.—		moulting of fourth-stage larvae of ..	1073
<i>See</i> Mailman, D. S.	385		
Murdoch, R. N., and White, I. G.—			
Factors affecting the metabolism of			
acetate and glucose by ram and bull			
spermatozoa	857		

	PAGE		PAGE
Parsons, P. A.—		Ram spermatozoa, metabolism of, in the	
The genotypic control of longevity in		presence of genital fluids of the ewe ..	199
<i>Drosophila melanogaster</i> under two		Ram spermatozoa, use of monosac-	
environmental regimes	587	charides, disaccharides, and trisac-	
<i>See also</i> Kaul, D.	945	charides in synthetic diluents for the	
Pearman, G. I.—		storage of	655
The reflection of visible radiation from		Ram spermatozoa, washed, oxidative	
leaves of some Western Australian		utilization of fructose and acetate by	167
species	97	Respiration, induced, in slices of plant	
Peas, decapitated, and diffusible gib-		tissues	981
berellins	535	Restall, B. J.—	
<i>Peronospora tabacina</i> Adam, roles of		Histological observations on the	
riboflavin and inhibitors in conidial		reproductive tract of the ewe ..	673
germination in	335	The fallopian tube of the sheep. I.	
<i>Pinus radiata</i> D. Don, fine structure of		Cannulation of the fallopian tube ..	181
mycorrhizas of	1027	II. The influence of progesterone and	
Piper, L. R., and Dolling, C. H. S.—		oestrogen on the secretory activities	
Variation in the sulphur content of		of the fallopian tube	187
wool of Merino sheep associated with		<i>See also</i> Wales, R. G.	199
genetic differences in wool-producing		Restall, B. J., and Wales, R. G.—	
capacity	1179	The fallopian tube of the sheep.	
<i>Pisum sativum</i> L., relationship of the		III. The chemical composition of the	
axis and the cotyledons in germinating		fluid from the fallopian tube. . .	687
seeds and seedlings of	85	IV. The metabolism of ram spermato-	
<i>Pisum sativum</i> L., subcellular organi-		zoa in the presence of fluid from the	
zation of the developing cotyledons of	49	fallopian tube	883
<i>Pisum sativum</i> L., subcellular organiza-		Ritson, J. B.—	
tion of the cotyledons in germinating		<i>See</i> Ashton, G. C.	821
seeds and seedlings of	69	Robinson, J. B.—	
Pitman, M. G.—		<i>See</i> Cohen, D.	535
Uptake of potassium and sodium by		Roulston, W. J., Schuntner, C. A., and	
seedlings of <i>Sinapis alba</i>	257	Schnitzerling, H. J.—	
<i>See also</i> Dodd, W. A.	341	Metabolism of coumaphos in larvae of	
<i>See also</i> Lazaroff, N.	991	the cattle tick <i>Boophilus microplus</i> ..	619
Plant response to saline substrates. VIII	741	Rovira, A. D., and Bowen, G. D.—	
Plant tissues, induced respiration in ..	981	Phosphate incorporation by sterile	
Potato plant growth, some effects of		and non-sterile plant roots	1167
temperature on	711		
Probine, M. C., and Barber, N. F.—		Samisoni, J. I.—	
The structure and plastic properties		<i>See</i> Blackshaw, A. W.	841
of the cell wall of <i>Nitella</i> in relation to		Schleger, A. V.—	
extension growth	439	Relationship between cyclic changes	
Rabbit doe, transport of spermatozoa in,		in the hair follicle and sweat gland size	
before and after ovulation	1095	in cattle	607
Rabbit epididymis, respiration of, and its		Schnitzerling, H. J.—	
synthesis of glycerylphosphorylcholine	849	<i>See</i> Roulston, W. J.	619
Ram semen, diluted, effect of casein,		Schuntner, C. A.—	
lecithin, glycerol, and storage at 5°C		<i>See</i> Roulston, W. J.	619
on	871	Scowcroft, W. R.—	
Ram spermatozoa, diluents for the		Variation of scutellar bristles in <i>Droso-</i>	
preservation of. I	645	<i>phila</i> . X. Selection limits	807
Ram spermatozoa, factors affecting the		Selection, artificial, response to, due to	
metabolism of acetate and glucose by	857	autosomal genes of large effect. III ..	131

	PAGE		PAGE
Selection, effects of, on degree of in-breeding	307	Symbiotic nitrogen fixation, physical environment and. III	219
Selection, influence of sex on. II, III	593, 775	Symons, R. H.— <i>See</i> Panter, R. A.	565
<i>Sericesthis</i> iridescent virus, effect of temperature on the development of ..	481		
Shannon, A. D., and Lascelles, A. K.— Changes in the concentration of lipids and some other constituents in the blood plasma of calves from birth to 6 months of age	831	Tazawa, M., and Kamiya, N.— Water permeability of a characean internodal cell with special reference to its polarity	399
Sheep, fallopian tube of. I, II, III, IV	181, 187, 687, 883	Thomas, D. A.— <i>See</i> Greenway, H.	741
Sheep—goat hybrids, twin, serum transferrins of	1175	Thompson, E. O. P., and O'Donnell, I. J.— The preparation of the A and B chains from reduced and <i>S</i> -carboxymethylated beef insulin	1139
Sheep infected with <i>Oesophagostomum columbianum</i> , demonstration of antibodies in the intestinal mucus of ..	339	Tobacco cells, cultured, some salt-uptake and tissue-aging phenomena of ..	23
Sheep, Merino, association between serum alkaline phosphatase variants and the <i>R-O-i</i> blood group system in	1171	Tosic, L.— <i>See</i> Shepherd, C. J.	335
Sheep, Merino, variation in the sulphur content of the wool of	1179	<i>Trifolium subterraneum</i> , movement of previously deposited ⁴⁵ Ca in, by foliar injections of certain cations	1
Sheep, metabolism of tritiated testosterone by	1101	<i>Trifolium subterraneum</i> , root temperature effects on shoot and root development and nitrogen distribution ..	219
Shepherd, C. J., and Tosic, L.— The roles of riboflavin and inhibitors in conidial germination in <i>Peronospora tabacina</i> Adam.	335	Turnbull, K. E.— The transport of spermatozoa in the rabbit doe before and after ovulation	1095
Simons, R.— <i>See</i> George, E. P.	459		
Simpson, A.— <i>See</i> Hope, A. B.	335	Van Steveninck, R. F. M.— Some metabolic implications of the Tris effect in beetroot tissue	271
<i>Sinapis alba</i> , uptake of potassium and sodium by seedlings of	257	Further aspects of the Tris effect in beetroot tissue during its lag phase ..	283
<i>Stachybotrys atra</i> , cellulases of. XIV, XV, XVI, XVII, XVIII, XIX	715, 903, 919, 927, 935, 1153	Veale, J. A.— <i>See</i> Hodgkinson, K. C.	15
Stewart, P. R.— <i>See</i> Mauritzen, C. M.	1111		
Stewart, P. R., and Mauritzen, C. M.— The incorporation of [³⁵ S]cysteine into the proteins of dough by disulphide-sulphydryl interchange	1125	Wales, R. G.— <i>See</i> O'Shea, T.	871
Subterranean clover, comparative effects of ammonium or sodium added to substrates low in calcium on the distribution of ⁴⁵ Ca in	733	<i>See also</i> Restall, B. J.	687, 883
Subterranean clover, movement of previously deposited ⁴⁵ Ca in	1	<i>See also</i> Wallace, J. C.	849
Symbiotic nitrogen fixation, carbohydrate requirements for	499	Wales, R. G., and O'Shea, T.— The oxidative utilization of fructose and acetate by washed ram spermatozoa in the presence or absence of potassium and magnesium	167
		Wales, R. G., and Restall, B. J.— The metabolism of ram spermatozoa in the presence of genital fluids of the ewe	199

	PAGE		PAGE
Walker, N. A.—		Wheat seedlings, effect of photoperiod duration upon the respiratory activity of the roots of	471
<i>See</i> Hope, A. B.	355	White, I. G.—	
Wallace, J. C., Wales, R. G., and White, I. G.—		<i>See</i> Murdoch, R. N.	857
The respiration of the rabbit epididy- mis and its synthesis of glycerylphos- phorylcholine	849	<i>See also</i> Wallace, J. C.	849
Watson, J. D., and Matthews, R. E. F.—		Williams, D.—	
Effect of actinomycin D and 2-thiour- acil on floral induction and nucleic acid synthesis in the bud in <i>Chenopodium</i> <i>amaranticolor</i>	967	<i>See</i> Cooper, D. W.	1175
Webster, H. L.—		Williams, R. F.—	
<i>See</i> Wrigley, C. W.	895	The physiology of growth in the wheat plant. III. Growth of the primary shoot and inflorescence	949
West, K. R.—		Winfield, M. E.—	
<i>See</i> Dodd, W. A.	341	<i>See</i> King, N. K.	211
Wheat, Chinese Spring, chromosome location of mature plant leaf rust resistance in	943	Wong, P. K.—	
Wheat leaves, effect of stem rust infection on soluble proteins of	895	<i>See</i> Osborne, W. B.	1101
Wheat plant, physiology of growth in. III	949	Wool, comparison of similar protein components isolated from	699
Wheat powdery mildew, differential reactions to three strains of	767	Wool follicle, a study of the proteins of	319
		Wool of Merino sheep, variation in the sulphur content of	1179
		Wool roots, comparison of similar protein components isolated from	699
		Wrigley, C. W., and Webster, H. L.—	
		The effect of stem rust infection on the soluble proteins of wheat leaves	895