

DURHAM HIGH SCHOOL EXAMINATION RESULTS

MARCH 1929
FORM V
Algebra
E. Marshall 69, I. Matthews 68, D. Young 64, J. D. McAniff 64, M. Beaton 63, M. Mortley 60, H. Timianov 56, F. MacDonald 46.
Average—61.

FORM IV
Chemistry
M. Brown 51, R. Adlam 43, N. Gagnon 40, C. Anderson 34, F. Bailey 32, B. Murdoch 20.
Average—38.

FORM III
Chemistry
G. McCrae 90, C. Traynor 80, A. Bell 72, M. Moffat 74, G. Glass 73, D. Firth 73, D. Smith 72, D. Pickering 71, N. McIntyre 67, C. Rowe 66, E. Burnett 65, T. Bell 64, A. McEachern 61, M. Noble 61, E. Baird 57, A. Ritchie 52, V. MacLean 52, E. Willis 50, E. Harding 50, C. MacLean 47, M. McPadden 47, G. Noble 47, N. Lowe 45, J. Renwick 45, A. Taylor 41, H. McAniff 41, D. Ritchie 38, W. Smith 24, M. Armstrong 15, H. Wilson 11.
Average—55.

FORM I B
English Composition
H. Young 72, D. Knight 71, M. Moore 70, R. Lawrence 68, G. Saunders 68, R. Willis 67, O. MacDonald 67, C. McGirr 67, B. McKechnie 65, J. MacGillivray 63, M. Matthews 63, E. Falkingham 62, I. Henderson 61, A. Walker 61, C. McCracken 58, B. Whitmore 58, M. Picken 57, J. Watson 55, F. Meloshe 55.
Average—64.

FORM I A
English Composition
Jean Grant 73, N. Allan 72, D. Caldwell 72, G. Grant 72, W. Kent 69, I. Jamieson 65, A. Kress 64, E. Goodchild 63, E. Ledingham 62, G. Falconer 62, M. Storry 61, A. Campbell 60, S. Hopkins 60, W. Thompson 59, A. Greenwood 55, D. MacArthur 55, A. Turnbull 55, C. Lawrence 54, M. Anderson 51, W. Middleton 51, R. Vollett 50, B. Brown 46, B. Jamieson 39, L. Brigham 37.
Term class average—59.

SCHOOL HONOR ROLLS FOR PAST MONTH

DURHAM PUBLIC SCHOOL

MARCH, 1929
Sr. IV—Allan J. McLean, Edith Erwin, Will Renwick, Ben Firth, Louise Jamieson.

Jr. IV—Charlie McKechnie, Roward Watt, Percy Greenwood, Lorne Frew, Abbey McLean.

Jr. III A—Jean Atkinson, Arthur Koch, Sadie McEachern, Harold Traford, Mary Pickering.

Jr. III B—George Glass, Gladys Ritchie, Alix Tobin, Crawford Vollett, Barbara Watt.

Kathleen L. Firth, Teacher.
Jr. III A—Olveda Hahn, Jean Rowe, Ross Wilson, Arthur Watson, Carman Allan.

Jr. III B—Clara Thompson, Norman Tucker, Helen Clark, Lewis Whitmore, Ian McDonald.

Sr. II A—Gordon Kennedy, Clark Saunders, Robert Milne, George Frew, Velma Dean.

Sr. II B—Laurine Campbell, Lloyd Vanslyke, Delbert Moore, Jean McLean, Sadie Heathers.

F. Oscar Moon, Teacher.
Jr. II A—Ruth Nichol, Helen Gagnon, (Annie Timianov and Eileen Tucker) equal, Jessie Grant, Margaret Sparling.

Jr. II B—Ross Lauder, Louise Falconer, Hilliard Schenk, Helen Lawrence, Elmer Glenholme.

Mary E. Morton, Teacher.
I A—Isabel Piddis, Otilie Pearce, Arthur Allan, Jack Atkinson, Kathleen Renwick.
I B—Myrtle Hodgson, Cecil Vanslyke, Eulalia Wilson, Vera Pinkerton, Florence Bolger.
I C—Catherine Rowland, Jimmie Braithwaite, Margaret Armstrong, Willie Wells, Ross Kearney.
I D—Daisy A. Mather, Teacher.
Sr. Pr. A—Philip Sparling, Allan Wilson, Clara McDonald, Clarence McLean, (John Collier and Willie Noble) equal.
Sr. Pr. B—Helen Gerber, Gilbert Trafford, Willie McGirr, Audrey Wells, Harry Schenk.
Sr. Pr. C—Robert Caswell, Lorne Long, (Ronald Watt and Albert Webb), equal, (Harworth Hughes and Agnes Thomson), Maxine Kelly.
—Elma L. Ball, Teacher.
Jr. Pr. A—John Kent, Florence McLean, Fred Town, Emily Pickerton, Phyllis Wilson.
Jr. Pr. B—Anna McLean, Florence Martin, Irene Atkinson, Sadie Osborne, Bertha Glass.
Jr. Pr. C—Dorothy Elliott, George Reid, Jean Levi, Dorothy Reid, Pearl Vickers.
—Lizzie Schaefer, Teacher.

PRICEVILLE PUBLIC SCHOOL

(EASTER EXAMS.)

Senior Room
Jr. IV—Catherine McVicar 73, J. D. Teeter 70, Donald Aldcorn 65, Kathleen Burnett 60, Jack Corry 50, George McLean 40, Donnie McArthur 30.

Sr. IV—Annie Wells 77, Wallace McDermid 72, Arthur Sullivan 70, Mary Mather 70, Wilfred Froom 70, Johnnie McVicar 68, Stuart Carson 67, Neil Aldcorn 66, Cameron McLean 63.

V—Elda Froom 95, Eleanor Mather 92, Sadie Carson 90, Florence MacPhail 88, Susie MacDonald 88, Walter Aldcorn 82, Donald Reiley 79, Margaret McArthur 75, Margaret Nichol 72, Alex. Stonehouse 69, Angus MacPhail 67.
—John W. Cook, Teacher.

Junior Room

Sr. III—Anna McLean 84.
Jr. III—Donald Carson 68, Cameron McLean 68, Violet Stonehouse (abs.)
II—Frances Reiley 81, Isabel Mather 81, Mayme Teeter 76, Lauretta Turnbull 69, Jack McArthur 68, Dick Carson 65, Tom Aldcorn 65, Alex. McVicar 65, Alex. Weir 63, Margaret McLean 60, Norman Barker 58, Emerson Burnett 47, John Burnett 42.
I—Jim Corry 82, Marie McLachlan 80, Evelyn McDermid 80, Aileen Karstedt 79, Johnny McArthur 75, Douglas Turnbull 58.

Sr. Pr.—Donald Nichol 74. A—Mildred Sullivan 75. B—Winnifred McConeky 73, Garfield Teeter 73, Anna McVicar 73, Gwyneth McLean 72, Doreen Teeter 69. C—Allie Turnbull 72, Lorne McArthur 57.
—E. V. Harret, Teacher.

S. S. No. 12, Egremont

IV—Willie Patterson, Clara Watson, John Matthews, Clarence Neison, Lewis Wells, Dave Daly, George Wilson.
Sr. III—Clara Falkingham, Wallace Matthews, Fanny Hargrave, Jr. III—Ray Adams, Jean Brown, Lloyd Brown, Goldwin Nelson. Sr. II—Reggie Wilson, Edgar Patterson, Robert Hunter, Annie Andrews, Frances Daly, Verduin Watson. Jr. II—Gladys Young, Hazel Watson, Howard Watson. I—Alice Daly, Kenneth Nelson, Norman Wells, Roy Andrews, James Hargrave. Pr.—Orville Lee, Harold Hunter, Raymond Brown, Keith Hunter, Robert Nelson, Elmo Scott.
\*—Denotes present every day.
Average attendance—33.
Violet M. Mervyn, Teacher.

S. S. No. 9, Glenelg

Sr. IV—Susie Greenwood, Davey Allan, Freddie Arnett, Lillian Collinson.

Clara Jacques, Eddie Lawrence, Clarence Hargrave. Jr. IV—Doris Lawrence. Sr. III—Gordon Greenwood, James Wilson, Allie McGirr, John Collinson. Jr. III—Margaret Brown. II—Arthur Newell, Violet Collinson, Phyllis Lawrence, Cecil Brown, Clifford Lindsay, Dorothy Lawrence, Victor Arnett, Harry Lawrence. Sr. I—Olive Newell, Jr. II—Charles Brown, Murray Greenwood, Sr. Pr.—Jean Jacques, Doris Pratt, Jimmie Arnett, Harold Atcheson. Jr. Pr.—Grant Greenwood, Archie Lawrence.
—Donald Nichol, Teacher.

U. S. S. 1, Egremont and Normanby

Sr. IV—Velma Blyth, Dorothy Bogle, Marjorie Kerr. Jr. IV—Elgin Blyth, William Caldwell, Eva Haskell, Clement Patterson. III—Matilda Bryans. Sr. II—Murray Morice. Jr. II—Vernon Noble, (Caldwell Kerr and Howard Watson) equal, Playford Schenk, Florence Bryans, absent for most of examinations. Sr. I—Edith Bryans, absent for most of examinations. Jr. I—Cameron Kerr, James Wilton. Sr. Pr. A—Norman Eden. B—Ross Keller. Jr. Pr.—Orville Bryans.
—C. R. Morrison, teacher.

S. S. No. 1, Normanby

V—Jack Smallman.
Jr. IV—Susie Marshall, Irene Petty, Tommy Watson, Wallace Marshall, Elgin Petty. Jr. III—Allan Watson, Wilfred Marshall, Jessie Marshall, Howard Marshall, Melville Robins. I—Mildred Robins, Bernice Koeling. Pr.—Clarence Caldwell, Florence Petty, (equal), Norman Robins, Mabel Marshall.
Percentage attendance—94.
A. McAlister, Teacher.

U. S. S. 2, Bentinck and Glenelg

IV—Rena Clarke, Muriel Brown, Herbie Miller, Chester Miller, Clarence Ritchie. III—Johnny Vessie, George Miller, Glenna Lawrence. Sr. II—Georgina Vessie, Ewan Ritchie. Jr. II—Marjorie Vessie. Jr. I—Ralph Miller, Gordon Vessie. Sr. Pr.—Margaret Vessie.
—Islay W. McKechnie, Teacher.

Experimental Farm Notes and Bulletins

GROW YOUR OWN PROTEIN

(Experimental Farms Note.)
The word "protein" is coming to be better understood by dairymen than it once was. It is the chief "talking point" of those whose business it is to sell commercial feeds, the value of which is based largely on "protein content." It represents some mysterious constituent in feeds which animals must have before they can be expected to give the highest returns.
It is generally true that live stock feeds can be more cheaply grown on the farm than they can be purchased outright through the trade. It is also true, that the high protein crops that can be successfully grown in Eastern Canada, are relatively few, and, furthermore will not replace entirely the concentrated feeds that are offered on the market. Nevertheless, with the present price of commercial feeds, together with the small margin of profit ordinarily obtained by the farmer from live stock products, it seems good business to substitute as much of the high priced commercial feeds as possible by the home grown product.
Among the field crops widely grown in eastern Canada peas alone can be classed as relatively high in protein. This crop averages close to 20 per cent protein. Wheat, oats and barley are all rather low in protein, generally running between 9 and 10 per cent.
Since we have, at the present time, a fairly wide choice of varieties, in so far as earliness is concerned, there is little difficulty in selecting varieties of different crops that mature at the same time.
The question of harvesting has always been against peas as a grain crop and probably has been partly responsible for the lack of interest in this crop. When we consider, however, that an early variety of peas grown with a strong strawed early wheat or oat variety can be harvested with a binder and cured as other straight grain crops are, it removes a difficulty that can be appreciated by all who have grown peas for grain.
To those who are paying out regularly, a substantial part of their gross income to the feed merchant, this subject should be a reminder that the crops that can be grown on the farm can be fed more generously and more economically than purchased feeds.

FERTILIZERS FOR MANGEL CROPS

(Experimental Farms Note.)
The mangel crop is to be considered as one of the most exhaustive of soil fertility. A 15 ton crop of mangels removes about twice as much nitrogen and phosphoric acid and ten times as much potash from the soil as a 25-bushel crop of wheat. For maximum yields, this crop requires a plentiful supply of available plant food especially in the early stages of growth. It is particularly responsive to applications of nitrogen and potash.
Commercial fertilizers may be used to advantage for the mangel crop since they furnish plant food in a form which may be quickly taken up by the plants and thus aid them in obtaining a vigorous early start. The presence of readily available plant food enables the mangel plant to establish itself in time to withstand periods of drought and the effect of adverse seasonal conditions which may occur during the later stages of growth.
As with most other crops, commercial fertilizers usually give the most profitable results on mangels if used in conjunction with barnyard manure, although under favorable soil and season conditions their employment alone in adequate quantities will often give excellent results. For example, the following yields were obtained in an experiment conducted by the Field Husbandry Division in co-operation with

The Division of Chemistry at the Central Farm, Ottawa, over a period of 15 years. The mangels were grown in a four year rotation of mangels, oats, clover hay, timothy hay.
Manure at 15 tons per acre, yield of mangels per acre, average of 15 years, 21.63 tons; manure at 7 1/2 tons, 257 pounds of a 3-19-8 fertilizer per acre, average yield of mangels, 21.66 tons; fertilizer at 475 pounds of a 3-10-8 per acre, average yield of mangels, 19.87 tons; no manure or fertilizers, average, 10.54.

The results of experimental work, particularly in Eastern Canada, indicate that on the average loam which has been dressed with, say, 10 tons of manure the following fertilizer mixture may be expected to prove profitable for this crop.
Nitrate of soda, 65 to 130 pounds. Sulphate of ammonia 50 to 100 lbs. Superphosphate 200 to 400 pounds. Muriate of potash 60 to 120 pounds.

be desirable on soils which are low in fertility or on which no manure is applied.
Approximately the same amount of plant food would be furnished by 500 to 1000 pounds of a 4-6-6 ready mixed fertilizer.
The larger rate of application would

per acre.
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The larger rate of application would

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FRANK IRWIN, Editor and P.

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J. L. SMITH, M. B., M. C. F. Office and residence at the Countess and Lambton Streets old Post Office. Office 10 to 11 a.m., 1:30 to 4 p.m., 7 to 9 (Sundays excepted).

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J. F. GRANT, D. D. S., M.D. Honor graduate of the University of Toronto. Graduate of Royal Dental Surgeons of Ontario. Try in all its branches. 679 Block, Mill Street, second door MacBeth's Drug Store.

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Mail Order Houses and the large departmental stores of neighboring cities with their striking advertisements and catalogues are the serious competition of local merchants.
The poorer way to offset this competition is for our local merchants to remain silent. For them not to "speak up" is to give the mail order houses a better chance to get business from this community.
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4. Headlamps with chromium plated rims.
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