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> EDUCATION

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THE SUPERINTENDENT OF EDUCATION FOR

## NOVA SCOTIA.

## A PRIL, 1909.



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HALIFAX, NOVA SCOTIA, APRIL, $190^{9}$.

## OFHICIAI_

I._The JOURNAL OF EDUCATION shall be published semi annually, in the months of April and October respectively, and shall continue to be the medium of Official Notices in connection with the Department of Education.
II.-The JOURNAL, which is the Semi-annual Supplement of the Education Report, will be furnished gratuitously, according to lavi to each Inspector, Chairman of Commissioners, and Board of Irusters;' and will be supplied to other parties wishing it at the rate of ten cents ${ }^{\text {a }}$ copy.
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## PROVINCIAL AID

To Teachers employed in the Public Schools for the half year ended, Feb. 5th, 1909.

The Asterist ( ${ }^{*}$ ) marks those employed in Poor Sections.

ANNAPOLIS.

| Lyons, Nellie B | 101 | 85.23 |
| :---: | :---: | :---: |
| Magee, Wm. H | 101 | 10293 |
| Ruggles, I L enfest | 103 | 10500 |
| Andrews, Lillian M. | 103 | 6000 |
| Atwood, Alice J. | 103 | 6000 |
| Balcom, Irene C. | 103 | 6000 |
| Baltzer, Ivy M. | 101 | 5883 |
| Banks, Beriah S. | 103 | 6000 |
| Banks, Wilford E. | 103 | 6000 |
| Bent, Sarah R. | 103 | 6000 |
| Bustin, Harry I. | 103 | 6000 |
| Chesley, Carrie It. | 103 | 6000 |
| Chipman, Emma W. | 103 | 60 100 600 |
| Clarke, Hattie M. | 103 | 1000 |
| Cossett, Ethel J. | 10.3 | 6000 |
| Eaton, Ethel M. | 89 | 5183 |
| Fancy, Lydia A. | 101 | 5883 |
| Fitz Randolph, Mary F. | 98 | 5707 |
| Foote, Elida W. | 103 | 6000 |
| Gilliatt, Mary L. | 103 | 6000 |
| Graves, Ena F. | 103 | 6000 |
| Harris, C. Loutise | 98 | 5707 |
| Lockward, Grace E. | 103 |  |
| MacInnis, A. D. | 100 | 88 |
| McGill, Dora P. | 103 | 600 10500 880 |
| McGill, Geo 3 B | 101 | 1058 |
| McMillan, Nellie | 103 | 6000 |
| Rice, Ina M. | 103 | 6000 |
| Spinney, Hattie S. | 103 | 6000 |
| Spinney, Theodore H. | 101 |  |
| Spurr, E. Blanche | 78 |  |
| Starratt, Hattie B. | 103 | 6000 |
| VanBuskirk, John I. | $10: 3$ |  |
| Walker, Charlotte EF. | 103 |  |
| Walker, Mabel R. | 103 |  |
| Whitman, Jean E. | 12 | 698 |
| Woodward, Lola M. | 103 |  |
| Woodworth, B. May Wotton, Funice R. | 103 103 |  |
| Anderson, Eunice M. | 100 |  |
| Bacon, Agnes S. | 103 |  |
| Baker, Kate A. | 103 | 4500 |
| Banks, Almeda M. | 103 | 4500 |
| Bertaux, A. Josephine | 101 | 4412 |
| Buckler, Emily J. | 7 | 4237 |


|  |  | 4500 |
| :---: | :---: | :---: |
| Chesley, Ella M. | 103 | 4500 |
| Corning, Nellie R. | 103 | 4508 |
| Crowe, Bessie H. | 103 | 43 |
| Durling, Edna | 100 |  |
| Ellis, Florence M. | 97 |  |
| Gesner, Annie J. | 102 |  |
| Gibson, Ethel W. | 101 |  |
| Guild, Jean | 49 101 |  |
| Harris, Mary H. | 101 | 4500 |
| Healy, Bertha A. Hoyt, Bessie G. | 103 |  |
| Johnson, Mary A. | 103 |  |
| Leonard, E. Stewart | 103 |  |
| Longley, Annie G. | 52 |  |
| Longley, Annie M. | 3 |  |
| Longmire, Rosa T . | 7 |  |
| Macdonald, Laura A. | 103 | 45 |
| McCormick, Albert E. | 102 | 4450 |
| Mclannan, Alfaretta | 103 | 4500 |
| Mclean, Mmmie J. | 103 | 450 |
| Mills, Hattic G. | 102 | $4{ }^{4} 500$ |
| Mussells, Dora R. | 103 | +5 |
| Nichols, Leon L. | 103 | 19 |
| Parker, Carrie M. | 40 | 45 |
| Payson, Mary P. | 10. |  |
| Perry, Lydee S. | 108 |  |
| Roop, Eva L. | 102 | 4400 |
| Ruggles, Florence L. | 103 | 45 |
| Rumsey, Clara I. | 103 |  |
| Stevenson, Margaret B. | 103 |  |
| Wade, Idna M. | 103 | 42 |
| Whitman, Minnie C. | 98 |  |
| Woodman, Edith E. | 10.3 |  |
| Young, A. Maud | 103 |  |
| Zwicker, Lulu deB. | 103 |  |
| Andrews, C. Lester | 103 |  |
| Armstrong, Georgie E. | 103 |  |
| Baker, Hallie J. | 103 |  |
| Balcom, Mary W. | ${ }^{108}$ |  |
| * Barteaux, Amy E. | 102 | -29 |
| Beardsley, Jos, D. | 68 |  |
| * Bent, Blanche J. | 92 |  |
| *Bent, Hazel W. | 91 |  |
| Bishop, Etta B. | 103 |  |
| Bowlby, Jessie I. | $10^{2}$ | ${ }_{30}{ }^{39} 0$ |
| * Brown, Myrtle B. | 103 |  |
| Brown, Vernon I:. | 103 | ${ }_{30} 00$ |
| Calnek, Anna A | 103 |  |
| *Charlton, Elvida M. | 50 | 2900 |
| Charlton, Mabel E. | 102 |  |
| Cochran, Florence | 103 |  |
| Dakin, Ellery G. | 74 | 2800 |
| *Dunn, Beatrice H . | 103 | ${ }^{9} 90$ |
| Fairn, Bessie C. | 49 | 300 |
| *lairn, Henrietta M. | 103 | 396 |
| Foster, Winnifred $*$ Gehue, Etta M. | 102 | ${ }_{23} 13$ |
| *Gehue, Etta M. | 74 | ${ }^{28} 89$ |
| * Gibbons, Grace | 73 | 30 |
| *Gibson, Hazel I. | 78 |  |
| Hall, Pauline E. | 103 | 18 |
| Halliday, Isaiah | 624 | 20 |
| Hamilton, Louis G. | 102 |  |


| *Hinds, Elsie |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Jacques, Violet. | 103 | 4000 | McKeotugh, Anna M. | 102 | 1456 |
| Mambertson, Myrtion | 103 | 3000 | MeNeil, Florence | 69 | 3013 |
| Margeson, Len, Myrtle F. | 103 | 3000 | MePherson, John A. | 10\% | 4500 |
| Marshall, Ida Mora E. | 53 911 | 1543 2665 | McPherson, Alex. | 73 108 | 3188 |
| * McGinnis, Viola M | 911 | 2665 | Purcell, Marg. E. | 103 | 3000 |
| *Mckay, Dorothy A | 93 4 | 27 1708 | Rogers, Wm. J. | 103 | 4500 |
| * Meisy, Josephine H | 4 102 | 1709 2970 | Suttan, Catherine F\%. | 101 | 4412 4500 |
| Meisner, Hilda M. | 102 102 | 2970 3961 | Sister M. Dionysia Sister M. Irene | 103 103 | 4500 4500 |
| ${ }^{\text {* }}$ Noge, John A. C. | 40 | 1165 | Sister St. Hugh | 103 | 4500 |
| Phinney, Annie M | ${ }_{86}$ | 3339 | Sister St Camillus | $10 \%$ | 4500 |
| $\mathrm{P}_{\text {Pinmey, }}$ Earle C. | 103 | 3000 | *Chisholm, Marg. M. | 94 | 3650 |
| *pinney, Fthel P | 103 | 3000 | *Camplell, Mary | $10 \%$ | 4000 |
| * Otter, Effie M. | 10.3 | 3000 | Campbell, I, ibby | 102 | 2970 |
| $\mathrm{R}_{0}$ obinson, Stewart I | 88 | 3.47 | Fraser, William | $5-$ | 1572 |
| * ${ }^{\text {coppe, Bessie I }}$ | 78 | 309 | Finzgerald, Annie | 40 | 1165 |
| * Sinaffiner, Mar | 23 | 689 | Forles, Florence | 103 | 3000 |
| Stompson, Fisther M M. | 5 S | 208 | Gillis, Saralı 13. | 103 | 3000 |
| *Whart, Agrenora | 103 | 1000 | Gillis, Augusta J. | 103 | 3000 |
| *Wheelock, Middred | 98 | 2883 | Gillis, Bessie J. | 89 | 2591 |
| Winitrnan, Annie S | 94 | 3650 | Green, Elizabeth E. | $\underline{9}$ | 728 |
| Vochester, Ruth ${ }^{\text {a }}$ | 54 | 2097 | Ievandier, William | 15 | 4.36 |
| ${ }^{\text {O}}$ ung, Flossie ${ }^{\text {a }}$, | 10.3 | 3000 | Leydon, Sarah B. | 103 | 3000 |
|  | 67. | 1965 | McArthur, Janet | 103 | 3000 |
|  |  |  | McCormick, Annie | 103 | 3000 |
| Shafe Annuitants. |  |  | Macdonald, Mary A. | 103 | 3000 |
| Browner, Samuel C |  |  | Macdonald, Sadie | 103 | 3000 |
| Vidito, Alfred D |  | 7500 | Maedonald, Martha | 10:3 | 3000 |
| Santo, Helen A. <br> sanders, Arthur W. |  | 6000 | Macdonald, Ammic J. | 102 | 2970 |
|  |  | 6000 | Macdougall, Florence M. | 101 | 2941 |
|  |  | 1500 | Mclachern, Mary F. | 103 | 3000 |
|  |  |  | Mchregor, Minnie | 102 | 2970 |
|  |  |  | Mçillivray, Mary A. | 102 | 2970 |
|  |  |  | McCillivray, Mary | 101 | 2941 |
| Tompkins, ANTIGONISH. |  |  | Mocrillivray, Bessie A. | 100 | 2912 |
| 3oyd ${ }^{\text {dins, }}$ J. I |  |  | MeGillivray, Mary | 68 | 1979 |
| Boyle Donald D | 93 | 9178 | * MeInnis, Cassie M | 103 | 4000 |
| Mcie, James ${ }^{\text {d }}$ | 013 | 812. | *MeNaughton, Hessie | $10: 3$ | 4000 |
| Sisters, Anna Ex | 93 | $812 \cdot 1$ | Martin, Ellen | 103 | 3000 |
| Sisterst. Leonar | 103 | 7500 | Mullins, Annie J | 98 | 2853 |
| Boyd St. Thomard | 103 | 7500 | *Sonters, Ceorge 1 | 93 | 3611 |
| Chish'Angus I | 103 | 5500 | Stewart, Kate E. | 82 | 2388 |
|  | 10:3 | (i) 00 | St rahan, Mary Angela | 93 | 2703 |
| $\mathrm{Cillh}_{\text {is, }} \mathrm{D}$ m, Janie A | 89 | 5183 | Sister St. Thomas de S. C. | 103, | 3000 |
| MeAm. Mck. | 9.5 | 5.5 3 | Sister St. Walburga | 103 | 3000 |
| Macdis, Katie | 96 | 5.591 | Wilnot, Mary | 101 | 2941 |
| $\mathrm{Mck}^{\text {chald, Alex }}$ | 103 | 6000 | Watt, Bridget (\%. | 98 | 2853 |
| Mectengie, Dan. | 100 | -8 25 | Consolidated Section | 89 | 2591 |
|  | 103 | 6000 | Consolidated Section | 89 | 2591 |
| Sisters, Alex. M | $10: 3$ | i0) 00 |  |  |  |
| $\mathrm{T}_{\text {Callor, M }}$ Leonora | 103 | 6) 00 | Annutrants. |  |  |
| Cameronaud I. | 103 | 6000 |  |  |  |
| Chmeron, W. D. | 102 | $59+1$ | Chisholm, Alex. |  | 7500 |
| Chisholm, Christina | 103 | 4500 | Gillis, Angus |  | 6000 |
| Chishom, Christina | 100 | 4368 | McGillivray, Andrew |  | 6000 |
| Courteen, Dan. M | 89 | 3887 | Boyd, Angus A. |  | 4500 |
| -ondon, Violet | 94 | 4106 | Bonin, John B. |  | 4500 |
| $K_{\text {a }}{ }^{\text {if }}$, Josephine M | 10:3 | 4500 | İraser, William |  | 4500 |
| renhed, Matg. M. | 101 | 41 12 | Macdonald, Donald |  | 3000 |
| "ccery, Janie | 102 | 44.86 |  |  |  |
| Macdony, Mary li | $10: 3$ | 4500 | Assistants. |  |  |
| Macdonald, A Y | 10.3 | 1.00 |  |  |  |
| ${ }^{4}{ }^{c d} \mathrm{O}_{\text {rald }}$, Cassie | 100 | 4368 | McPherson, Hugh | 93 | 36.11 |
| $M^{\text {cGillivald, Mary }}$. | 1038 | $\begin{array}{ll} 45 & 00 \end{array}$ | Beaton, Ronalit | 93 | 2708 |
|  | 97 103 | 1237 |  |  |  |
| - Gertrude | 10.3 | \% 00 |  |  |  |
| 保 | 10.3 | 4500 |  |  |  |

## CAPE BRETON

| Armstrong, J. Arthur | 98 | 8.559 |
| :---: | :---: | :---: |
| Bingay, James | 43 | 4382 |
| Brodie, William S. | 54 | 5502 |
| Davidson, Milton D. | $10: 3$ | 10500 |
| Haverstock, Wm. Ernest | 102 | 10395 |
| Keating, Florence M. | 101 | 73.52 |
| Matheson, Duncan M. | 103 | 9000 |
| Moore, Clarence L. | 101 | 10293 |
| Stewart, Frank I. | 101 | 88.23 |
| Beaton, A. Laura | 18 | 1047 |
| Boutilier, Theresa | 103 | 6000 |
| Bown, Eleanor I'. | 102 | 59) 41 |
| Bruce, Harriet S. | 51 | 2970 |
| Campbell, Lizzie M. | 103 | (6) 00 |
| Chisholm, Jennie | 97 | 3649 |
| Crowell, Annie IE. | 35 | 20 38 |
| Curry, Delila Pearl | 10:3 | (i0) 00 |
| Dean, Bertha | 102 | 5941 |
| Dodd's, Agnes A. | 101 | 5883 |
| Doyle, Cecilia J. M. | 89 | 5183 |
| Edgecombe, Ethel L. | 98 | 3707 |
| Fulton, Edith Irene | 101 | 5883 |
| Fulton, Elora | 25 | 14.56 |
| Fulton, Mary Eurella | 96 | 5591 |
| Gillis, Simon P. | 10: | 5941 |
| Gilmour, Annie E. | 103 | 6000 |
| Goode, Myrtle M. | 98 | 5707 |
| Gray, Gracie I. | 103 | 6000 |
| Gunn, Annie | 103 | (6) 00 |
| Gunn, Jessie A. | 103 | 60) 00 |
| Haverstock, Alice M. | 103 | 60) 00 |
| Henry, Jessie Fllen | 10:3 | (i) 00 |
| Kilpatrick, Hattie | 103 | (8) 00 |
| Lawley, James H. | 98 | 5707 |
| MacDougall, Jean | 98 | 5707 |
| McDougall, John | 103 | (6) 10 |
| Macintosh, Anna B. | 101 | 58883 |
| McKay, Katherine | 103 | 6000 |
| MacKenzie, Anna 13. | 103: | (6) 00 |
| McKenzie, Kate A. | 25 | $\underline{1} 56$ |
| MacKinnon, Mary | 98 | 5707 |
| McLean, Christena | 10.3 | 6000 |
| Maci,ennan, Florence 13. | 101 | 5883 |
| MacNeil, Jennie E, | 963 | 360 |
| Mackae, Mary I. | 98 | 5707 |
| MacRury, Sadie M | 10:3 | 60) 00 |
| Morrison, Alexander 13. | 103 | 60 (0) |
| Morrison, Eva J. | 101 | 58883 |
| Mortimer, J. Wallace | 101 | 588 |
| Parker, İllian C. | 101 | \%883 |
| Pippy, George F . | 121 | 3028 |
| Robson, Norman | 101 | 5885 |
| Rose, İily M. | $10 \cdot 3$ | 600 |
| Schurman, Sadie M. | 98 | 5717 |
| Seifert Maudena Mae | 10.3 | (i) 00 |
| Sister M. Amabilis | 10,3 | (i0) 00 |
| Sister M. Ambrosia | 10:3 | (6) 00 |
| Sister M. Annette | 103 | (ii) 00 |
| Sister M. Clarissa | 103 | (6) 01 |
| Sister M. Cleophas | 103 | (i) 00 |
| Sister M. Concepta | 103 | ${ }^{60} 00$ |
| Sister M. Edwina | $10: 3$ | fio 00 |
| Sister M. Gerard | 103 | (8) 010 |
| Sister M. Josita | 103 | (6) (9) |
| Sister M. Lawrence | 103 | 6000 |


| Sister M. Victoire | 89 | ${ }_{5}^{5188}$ |
| :---: | :---: | :---: |
| Sister M. Vincentine | 103 |  |
| Sister St. Bernard | 89 |  |
| Sister St. Mary (Asc.) | 102 |  |
| Sister Teresa Joseph | 103 |  |
| Sutherland, Mary | 101 |  |
| Thurber, Ronald E | 101 |  |
| Wilton, Richard T. | 99 | 5707 |
| Woodill, Arthur W. | 98 |  |
| Barrington, Harriet H . | $\stackrel{25}{98}$ |  |
| Barss, Muriel J. | 98 |  |
| Bruce, Alice A. | 103 |  |
| Bryden, Margaret | 108 |  |
| Buckles, Sarah | 102 |  |
| Burke, Helena B. | 103 |  |
| Cameron, Annie | 103 |  |
| Cameron, Annie M | 103 98 | 42 |
| Cameron, Mary C. | 98 | 45 |
| Cameron, Olive 1 E. | 10.9 |  |
| Coady, Peter W. | 103 |  |
| Cann, İillian B. | 7 |  |
| Currie, Donald J. | 103 | 450 |
| Currie, Michael D. | 103 |  |
| Cuthbert, Mary ${ }^{\text {a }}$ | 91 |  |
| Desmond, Mary M. | 103 |  |
| Douglas, Havelock G | 10.9 |  |
| Downing, Florence C. | 101 | 45 |
| Elderkin, Elizabeth J | 101 |  |
| Flynn, Sadie | 101. |  |
| Fraser, Ida Janet | 101 |  |
| Fraser, Lullu F. | 97 |  |
| Fullerton, Mabel | 103 | 45 |
| Fyfe, Magdalen M. | 103 |  |
| Gillis, Jennie May Cillis, Margaret | 98 |  |
| Gillis, Mary | (12 |  |
| Gralam, lessie F . | 103 98 | +2 |
| Cirattan, A. Myrtle | ${ }_{101}$ |  |
| Greenwell, Bert ha | 103 |  |
| Greig, Ida H. | 10 | 4t |
| Gunn, Helen C. | 101 |  |
| Hamilton, Agnes E: | 53 |  |
| Hanrahan, Mary | 8 |  |
| Harrington, Annie F | 98 |  |
| Harris, Ciladys E. | 103 |  |
| Hartigan, Katherine | 103 | 4 |
| Johnson, Annie 1, | $10^{2}$ |  |
| Knowlon, Edith | 101 |  |
| L.eliane, Leo J. | 98 |  |
| McCabe, Georgie | 8 |  |
| McCormick, Catherine | 103 |  |
| Mc Donald, Amnie ${ }^{\text {C. }}$ | 83 |  |
| MacDonald, Daisy | 8 |  |
| Matcionald, Ethel M. | 98 |  |
| Macdonald, Jean 1 . | 101 |  |
| Macdonald, Margaret J. | 98 | 4 |
| Macdonald, Nellie | 103 | 45 |
| Macdonnell, '1leresa | 103 | 45 |
| McDongall, Daniel J. | 103 | $4{ }^{4}$ |
| MacInnis, Dorothea J MacIntosh, Margaret E. | 95 | 42 |
| MacIntosh, Margaret E. MeIntyre, Matida |  | 1 |
| McIntyre, Matilda Mclstac, D. Joseph | 953 | 834 |
| Mclsalac, D. Joseph <br> Fast Bay Consolidation, |  | \% |
| 3 D., 95! days <br> Mclsaac, Margaret | 79 |  |



|  |  |  |  |
| :--- | ---: | ---: | ---: |
|  |  |  |  |
| Smith, Jolin | 99 | 28 | 82 |
| Sullivan, Catherine | 92 | 26 | 79 |
| Sullivan, Marie | 98 | 28 | 53 |
| *Sullivan, Martha A. | 103 | 40 | 00 |
| Townsend, Matilda F. | 103 | 30 | 00 |
| Wallace, Jean | 84 | 24 | 46 |
| Young, N. Edgar | 101 | 29 | 41 |

Annuttants.
Dowling, Thomas C.
6000
McDonald, Joseph
McNeil, John D.
Garrett, Charles V.
McDougall, Philip

COLCHESTER.
SOUTH.

| Creelman, W. A. | 101. | 88.23 |
| :---: | :---: | :---: |
| Fngland, Harry E. | 103 | 9000 |
| McKenzie, George | 103 | 9000 |
| Richardson, I. A. | 80 | 7873 |
| Creelman, Martha | 101 | 5883 |
| Barnes, Blanche | 98 | 5707 |
| Barteaux, J. E. | 103 | 6000 |
| Coulter, Christena | 101 | 5883 |
| Crowe, Jeanetta | 103 | 6000 |
| Dickson, Hattie D. | 103 | 6000 |
| Doyle, Sarah Mable | 103 | 6000 |
| Harvey, Essie C. | 10.3 | 6000 |
| Johnson, Harriet | $10: 3$ | 6000 |
| Hunter, Jennie | 101 | 5883 |
| Lank, Annie C | 101 | 5883 |
| Lavers, Tosephine | 98 | 5707 |
| Logan, Margaret | 101 | 5883 |
| Mosher, Any | 101 | 5883 |
| McCurdy, Ruth | 17 | 989 |
| McKenzie, Georgie | 103 | 6000 |
| McLennan, Jennie | 101 | 5883 |
| MeNeill, Bessie | 101 | 5883 |
| MePherson, Margaret | 101 | 5888 |
| Nelson, Fda | 101 | 5883 |
| Nichols, Harriet | 101 | 5883 |
| Shaw, F. I. | 99 | 5760 |
| Stevens, Georgie | 10.3 | 6000 |
| Walker, Jean | 101 | 58 83 |
| Archibald, Janet | 101 | $4+12$ |
| Archibald, Gertrude | 102 | 4480 |
| Archibald, Jessie D. | 103 | 4500 |
| Beckwith, Florence | 98 | 4280 |
| Brown, Bertla | 10:3 | 45 00 |
| Bradley, Annie | 100 | 4368 |
| Crowe, Jennie D. | 102 | 14.50 |
| Crowe, Bell a | 10.3 | 4is 00 |
| Cruikshank, Edna | 10:3 | +500 |
| Cooke, Georgie | 69 | :30 1:3 |
| Cooke, Mary I. | 10:3 | 4.) 00 |
| Davis, D. G. | 101 | 4412 |
| Fulton, Mildred | .102 | 45 |
| Fiske, Mable | 81 | $35 \quad 37$ |
| Graham, Ida May | 101 | $4+12$ |
| Graham, Addic R. | 73 | 31 88 |
| Guild, Jean | 14 | ( 10 |


| Hamilton, Mable | 103 | 4500 |
| :---: | :---: | :---: |
| Hutchinson, Esther | 100 | $44^{41} 12$ |
| Hutchinson, Grace | 101 | 4418 |
| Kelley, Marion | 101 | 44 |
| Little, Ada C. | 101 | 44 |
| Iunn, Ethel C. | 101 | $44^{36}$ |
| Langille, Hilda | 102 | 450 |
| Miller, Agnes | 103 | 318 |
| McKim, Agnes | 73 | 4500 |
| McKay, Olivia | 103 | 4280 |
| Parker, Essie | 98 | 10 |
| Roode, Annie C. | 25 | 1069 |
| Rogers, Sadie | 24. | 33 |
| Schurman, Annie | 77 | 45 |
| Taylor, Mary lidith | 103 | 44 |
| Turner, Josephine | 101 | 440 |
| Wallace, May | 102 | 450 |
| Wriglt, Jessic | 103 | 29 |
| * Archibald, Maynard | 77 | 396 |
| * Bates, Edwina | 102 | 26 |
| Carter, Medora | 91 | 30 |
| Deckman, Elizabetlı | 103 | 23 |
| Deckman, Florence May | 8 | 38 |
| *Fulton, Agnes May | 100 93 | 270 |
| Fulton, Nellie P. | 93 | 28 |
| Fox, Alice | 98 | 29 |
| Gordon, Evelyne | 100 | 30 |
| Higgins, Matilda J. | 103 | 2983 |
| Higgins, Lida M. | 101 | 2850 |
| Johnson, Ethel G. | -98 | 4041 |
| *Lynds, Adelaide | 108 | 2906 |
| Morgan, Lizzie | 101 | 3171 |
| *Murray, Alexandra | 80 | 2270 |
| Mosher, Ellen S. | +78 | 3000 |
| McLaughlin, Nellie | 103 | 3044 |
| McLeod, Susie | 109 | 800 |
| McIteod, Elsie | 103 | 4041 |
| *O'Brien, Janie | 103 101 |  |
| Rutherford, Ada Mr. | 101 | 2934 |
| Parker, Laura D. B. | 10.3 | 2800 |
| *Sutherland, Jean | 103 | ${ }_{20} 71$ |
| Strople, Florence | 108 | 2201 |
| Urguhart, Nellie | 102 | 3000 |
| *Vance, Ruby | 103 | ${ }_{90} 0^{9}$ |
| Wright, Bertia . | 69 |  |
| Whidden, Carletta |  |  |
| Annutitan |  | 7500 |
| Calkin, J. B. |  |  |
| West. |  | 6000 |
|  | 103 | 60.11 |
| Carson, Teresa 13. | $10^{3}$ | 598 |
| Davidson, Iucretia I | 102 | $6_{0} 00$ |
| Dawson, J. Arthur | $10^{3}$ | 6000 |
| Deckman, Elsie E. | 103 | $6_{6} 8^{3}$ |
| Fulton, Beatrice 0. | 101 | ${ }_{60} 00$ |
| Peppard, Ruth | $10^{3}$ | 450 |
| 'Tibert, W, K. | 103 | 4500 |
| Boyd, (irace | 103 | 450 |
| Collins, Susie | 103 | 450 |
| Cooke, Agnes B . | 103 | $33^{3} 0$ |
| Drysdate, Carrie M. | 77 | ${ }_{4}{ }^{2}$ |

Calkin, J. B.


10

| lohthit ${ }_{\text {ody }}$, Ina B. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Morrisor, Iizzie ${ }^{\text {a }}$ | 103 | 1500 | Morelionse, F. G. | $10: 3$ | 10500 |
| Mrastison, Ida M | 103; | 4500 | Smith, Lizzie | 103 | 90 |
|  | 103 | 4500 | Stevens, Josephine | 99 | 10087 |
| Robertosh, Laura B | 103 | 4500 | Brownell, Irene G. | 103 | 6000 |
| \$cott, Cats Marion | 10.3 |  | Charman Mary E. | 97 | 5649 |
| mith, Adherine | 1031 | 4500 | Crawford, Roy D. | 103 | 6000 |
| Votten, ${ }^{\text {a }}$ Bar E . | 10:3 | +3.00 | Gordon, sadie J. | 103 | 6000 |
|  | $10:$ | 4.00 | Grant, Mabel | 78 | 4542 |
| Willia | 103 | 450 | Hath, reorgie | 98 | 5707 |
| ${ }^{\text {Atema }}$ ding, Margareta | $10: 3$ | 15 (1) | Hill, Alice D) | 103 | (6) 00 |
| $\mathrm{B}_{\text {oyd, }}$ Jess Ethel | 10: | :30) 09 | Lantz, Theressa | 118 | 59.41 |
| ${ }^{\text {arter }}$ Cessie S . | 10:3 | 300 | Lawrence, Jevmie. | (10.3 | 600 860 86 |
| Come, Hannal, | $10: 3$ | 3080 | Lay, Jean S' | \% |  |
| ${ }^{*}{ }^{\text {Camen }}$, Tressie May | $10: 3$ | 3000 | Lent, F. T. | 103 | 6000 |
|  | 101 | 29.11 | Ient, Irene | 103 | 6000 |
| , sab | 20 | 777 | Mekienzie, Ammie | ! | 5707 |
|  | 10:3 | 30100 | Mekenzie, Anclia | 101 | is $8: 3$ |
|  | 9 | 3767 | Mclean, Herbert 13. | 25 | 14.50 |
| Schw Sarall Ellen | 10.3 | :30 610 | McPlie, Loretta J. | 98 | 5787 |
|  | 103 | 30100 | Mcrae, Muriel | 10.3 | 6000 |
| Stitron, Lulus | 101 | 2941 | McWilliams, Jessie | 25 | $1+56$ |
| Vance, sactic | 87 | 2.533 | Mitehell, Jennie M. | 103 | 6000 |
|  | 10.3 | 3000 | Moore, A. K. | 25 | 1456 |
|  | $10: 3$ | 3000 | Purdy, Pearl | 103 | 6000 |
|  | $10: 3$ | 3000 | Roney, Ffle | 98 | 5707 |
|  |  |  | Shortlifie, D. I. | 103 | 6000 |
|  |  |  | Smith, Eva | $10: 3$ | (6) 00 |
| ${ }^{\text {litrie }}$ Vellie S |  |  | Sproule, Lottie | 10:3 | (60) 00 |
| brysdale ${ }^{\text {ary }} \mathrm{M}$. | 97 | I? 37 | Swift, Alice | 18 | 2707 |
| knn, Mamet R. | 10.3 | 4500 | Thompson Alice | 97 | af 49 |
|  | 103 | 4500 | Amos, Maud | 98 | 4280 |
|  | $10: 3$ | 4500 | Atkinson, Helen I. | 10:3 | 4500 |
| Mected, Jonnie M. | 103 | 4500 | 13aird, Jean F. | 101 | 1412 |
| Sutheaver, R, D. | 103 | 4500 | Beaton, Mary | 10:2 | 148 |
|  | 103 | 4500 | Bent, Roland | 78 | 3406 |
| Aylor, Ad, Bessie | 103 | 450 | Bigney, Bessie | 10:3 | 5. 00 |
|  | $\begin{array}{r}193 \\ 103 \\ \hline 109\end{array}$ | 4062 | 3 Bird V Vera | 103 | 4500 |
| bers, Jenistie M, | 103 | 4500 | Brown, Margaret | 103 | 4500 |
|  | 10.3 | 3000 | Brownell, Mayme | 103 | 4500 |
| brig, Jagrie ${ }^{\text {dem }}$ | 81 | $2+46$ | Brundage, Kate | 103 | 4500 |
|  | 71 | 218 | Burden, Isabella | 25 | 1091 |
| ${ }^{\text {tramisom, }}$, loyd | 102 | 2970 | Butler, Manic E. | 7.4 | 323 31 |
| Ithiole, Jesssie C. | 103 | 3000 | Callaghan, Lena M. | 10:3 | 4500 |
|  | 102 | 2970 | Cameron, Donnie | 103 | 1500 |
|  | $\cdots$ | 815 | Cameron, Blanclie | 102 | 446 |
|  | $10: 3$ | 3000 | Clarman, Eliza G. | 103 | 1500 |
| ${ }^{3} 40$ drad Edith | 10.3 | 3000 | Clarke, Agnes | 103 | tis 00 |
| ${ }^{*}{ }^{\text {acher }}$, Ethel | 99 | 2882 | Clarke, Elizabeth J. | 10:3 | 15 00 |
| Mekay, Jessydia | 102 | 3961 | Coates, Clara | ! | 1280 |
|  | 10.3 | 3000 | Costin, Marion | 89 | 3887 |
| Patthr resrgaret | 89 | 3459 | Craig, Muriel E. | 103 | 4.500 |
| ${ }^{\text {R R M }}$ Lethen, ${ }^{\text {ens }}$, Minnie | 102 | 2970 | Creclman, Jean | 10:3 | 4500 |
| Sutherlord rank | 103 | 3000 | Flliott, Mianie | 78 | 3406 |
| Wherernd, Julia | 99 | $28 \times 2$ | Elliot, Ida W. | 100 | 4368 |
|  | 77 | 2990 | Embree, Sara | 10:3 | 4500 |
|  | $10: 3$ | 31000 | Evans, Gertrule | 98 | 4280 |
|  | 1033 | 3000 | Ialconer, Jean | 97 | 1237 |
|  | 103 | 3000 | Fawles, Margaret | 10:3 | 4is 00 |
| 102 |  | 2970 | Frame, Annie | 103; | 4500 |
|  |  |  | Fulmore, Della M. | 84 | 3688 |
|  |  |  | Grant, Ifena | 103 | 4500 |
|  |  |  | Hall, Mabel | 73 | 31 SS |
|  |  |  | Hama, Matel li: | 9 | 1280 |
|  |  |  | Harrison, Kate B . | si | 378 |
|  | 99 | 7203 | Harrison, Erma | 98 | 4280 |
|  | 103 | 10500 | Henley, Theressa | 98 | 12 so |


|  | 99 | 4324 | Johnson, Susic W. | 103 | 300 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Hunter, Augusta | 71 | 3100 | Johnson, M. Ifaura | 103 102 | 2985 |
| Johnson, Lucy Mcl. | 5 | 218 | Kelley, Vera M. | 102 | 14.00 |
| Jones, Helen McK. | 79 | 3450 | Knowlton, Alice M. | ${ }_{103}$ | 330 |
| Knowlton, Gertrude | 52 | 271 | Lewis, Myrtle G. | 108 97 | 2800 |
| Lent, Georgie A. | 102 | 445 | Locke, Gladys | 103 | 33000 |
| Lindsay, Cora | 102 | $4 \pm 56$ | I, indsay, Susie | 103 | $3^{88}$ |
| Marchant, Abhic | 103 | 4500 |  | 471. | $22^{88}$ |
| MeIntosh, Marion M. | 109 | 2577 4500 | McDonald, Gertrude | 82 | 30 |
| McIntosh, Jessie B. | 103 | + 4.500 | McDonald, Isabella C. | 103 | 28.4 |
| Mclvor, Ethel ${ }^{\text {a }}$ ( | 10.3 | 4.500 | MeDonald, Fithel M. | 98 | 26 |
| Mclaughlin, Margaret (x <br> McLeod, Georgina | 10.3 | 4500 | McDonald, Elah L. | $\xrightarrow{92}$ | 304 |
| McPhie, Theressa | ! | 1280 | McEachren, Margaret | 94 |  |
| Mitchell, Annic | 10:3 | 4500 | Mctachren, janie | 93 | 39 |
| Nelson, W. M. | 97 | 4237 | Mclvor, Wylie | 101 | 23 |
| Nuttall, Mamie | 103 | 4500 | *McKay, lda | 79 | 25 |
| O'Brien, Margaret Fi. | :3 | 4.500 | McKeil, linda | 87 | 300 |
| O'Brien, Agnes | 191 | $4+4$ <br> +8 <br> 12 | Mckim, Delia Mc , | 103 | 29.4 |
| O'Brien, Mertla | 78 | 280 <br> $3+106$ | Mclauchlin, K. ${ }_{\text {M }}$ | 102 |  |
| Patton, Mary E. | 108 | $3+106$ <br> 4500 <br> 4 | Mclean, Pamelat | 78 | 3000 |
| Patton, Flora M. | 103 102 102 | 45 00 <br> $4+56$  | McNeil, Margaret | 103 103 | 30 |
| Pearson, Mary G. | 102 | $4 \mathrm{5G}$ | Mingo, Myrtle J. | 102 | 29 |
| Putnam, Annic <br> Roach, Bessie | 10:3 | 4500 | Mitchell, Jennie | 57 | , |
| Roach, I.ena L. | 100 | 4368 | * ()'Connell, Eith | 98 | 28 |
| Robertson, Annie M. | 103 | 4500 | Paul, Augusta | 74 | 280 |
| Ross, Lizzie J. | 101 | 412 | * Pettigrew, Ellen | 98 | 30100 |
| Shipley, Ethel | 103 | 4.) 00 | Porter, Mary L. | 103 |  |
| Simpson, Lydia | 98 | 1280 | Pugsley, Chester A. | 103 | 29 |
| Sproule, Essie E. | 98 | +2 80 | Roberts, Jame M. | 101 | 150 |
| Sproule, Mabel E. | 38 | 42 <br> 30 <br> 38 <br> 8 | Robertsen, Anice | 58 | 1500 |
| Thompson, Ella M. | 19 | 32.31 | Ross, Jenme |  |  |
| Thompson, Fannie | 10.3 93 | +10 (i) | Shimley, J. H. | ${ }_{6}^{103}$ |  |
| Trerice, Ruth | 10,3 | 1.5 00 | Sinclair, Willena | 90 | 29 |
| Tuttle, Florence | 15 | 65.4 | Slade, Almira | 100 | 300 |
| Tuttle, Ada (i. | 103 | 4500 | Slade, Fannie | 103 | 28 in |
| VanBuskirk, liessie J. | 103 | 4.) 00 | Somers, Lorelei | 98 | $3^{3}$ |
| Atkinson, Florence | 108 | 3300 | Stromberg, Anme | 102 08 | , |
| Baillie, Mary J. | 103 103 103 | 3000 <br> 300 <br> 00 | Taylor, Forence |  | 8 |
| Baird, Alda C. | 10.3 | 307 69 | VamBuskirk, Marjorie | 109 99 | $30^{\circ}$ |
| Baker, Sadic ( ${ }^{\text {a }}$, Bird, Elsie | 9 | 1572 | Woodland, Minnie | 103 |  |
| Bird, Elsie <br> Boomer, Fthel | 1103 | 3000 | Wooclland, Hattie |  |  |
| Boomer, Fthel <br> *Brown, Delia J. | 8 | 322 |  |  |  |
| Burns, Lillian | 10:3 | 3000 | Parrsmoro. |  | 99 |
| Campbell, Helen J. | 50 | 1456 |  | 98 | $10^{06}+$ |
| Cameron, Jennie B. | 103 | 3000 | Mactonald, 1. Crerar | 103 | $55^{100}$ |
| Chapman, Mary E. | 102 | 2970 | Swanson, R. | 97 | (6) 0 |
| Davison, Bertha | 103 | 3000 | Corkum, Clara A. | 103 | 00 |
| Dench, Bertha Susie | 100 | 298 | Jenks, Winnifred | 103 | $1{ }^{4}$ |
| Dickson, Winuifred | 98 | 2853 | Lavers, Winnifred M. F . | 98 | 570 |
| Dixom, lya M. | 100 | 2912 | Ieitch, Haily | 98 | ${ }_{60} 0$ |
| *Dwyer, Florence | 10 | 388 | More, A. K. |  | ${ }^{5}$ |
| Farrell, Annie | 98 | -28 83 | OMulon, Mary | 97 | ${ }^{3} 7$ |
| Fullerton, Eva L. | 102 | 2970 | Reid, Chas. l | 98 | ${ }^{0} 00$ |
| Glennie, Editie | 89 | 2.591 | Smith, Ada H. | $10^{3}$ | 40.8 |
| Grant, Annie | 98 | 28.33 | Watton, , ily | ${ }_{88}^{93}$ | $0^{8}$ |
| Harris, Mattie | 103 | 3000 | Arkinson, Janie | 93\% | ${ }^{1} 0$ |
| Harrison, Evelyn | 103 | 3000 | Ballantyne, Matul | 94 | 11 |
| Harrison, Maud M. | 10.3 | 3000 | Clark, Elizabeth A | 94 | , |
| Hawkins, Eimma J. | 103 | 3000 | Clarke, IV. l . | 90) |  |
| Hayward, Ine\% | 102 | 2970 | Crowe, Susan |  |  |
| Jameson, Bertha | 983 | 2708 | Flemming, Bessie |  |  |
| Johnson, Edina I'. | 103 | 3000 | Flemming, Effie |  |  |



| 10:3 | 4.500 |
| :---: | :---: |
| 10:3 | 4500 |
| $10 ;$ | 4500 |
| 102 | 4456 |
| 103 | 4.500 |
| 10:3 | 4500 |
| 77! | 33384 |
| 103 | 45 00 |
| 98 | 1280 |
| 103: | 3000 |
| 97 | 2824 |
| $9+$ | 2737 |
| 102 | -970 |
| 81 | 2359 |
| 102 | (2) 70 |
| $10 \cdot 3$ | 3000 |
| 916 | 3728 |
| 10:3 | 3000 |
| 10:3 | 30100 |
| 102 | 2970 |
| S4 | 2446 |
| $10: 3$ | 3000 |
| 101 | 29.41 |


| Hilt\%, Josie A. | 101 | 412 |
| :---: | :---: | :---: |
| Hutchinson, Nina B. | 10:3 | t. 00 |
| LeBlanc, Daniel | 103 | 4500 |
| Letteney, Edith P. | 102 | 1456 |
| Lombard, Elizabeth | 78 | 3405 |
| MacFwen, Mary C. | 24 | 1047 |
| Melancon, Rose A. | 10.3 | \& 00 |
| Mussells, Maude A. | 103 | to 00 |
| Peters, F. Gertrude | 103 | 4500 |
| Pothier, Adaline C. | 85 | 3712 |
| Roblins, Myrtle J. | 102 | 450 |
| Stulnier, Catherine | 10.3 | 1.500 |
| Shortliffe, Mand A. | 10:3 | +is 0) |
| Simpson, Florence E. | $10: 3$ | 500 |
| Sister Mary | 103 | 4.300 |
| Sister M. Anthony | $10: 3$ | 4500 |
| Sister M. Elise | 103 | 4.500 |
| Sister M. Modesta | $10: 3$ | 1.5 (0) |
| Spurr, Annie M. W. | 25 | 1091 |
| Stevens, Entora M. | 103 | 1: 00 |
| Taylor, Addie D. | 10:3 | 45 00 |
| Thibault, Alma | 20 | 872 |
| Thibodeau, Beatrice | 103 | 4500 |
| Titus, I.awrence I. | 103 | 4500 |
| Trevoy, Archie H. | 103 | 4500 |
| Urquhart, Margaret P. | 1021 | $1+78$ |
| Varner, Disa M. | $100 \frac{1}{2}$ | 4390 |
| Walsh, Grace B. | 103 | 4500 |
| Amirault, Edith S | 86 | 2504 |
| * Andrews, Nina 13. | 693 | 2698 |
| Bailey, Edna ly | 10:3 | 3000 |
| Brooks, Crace D. | $1+$ | + 07 |
| Camprell, Lola B. | 98. | 2868 |
| Comean, Marie Ann | $103{ }^{\circ}$ | 3000 |
| *Comean, Marie Rose | 103 | 4000 |
| Crocker, Eva M. | 93 | 2708 |
| Dakin, Guy Allen | 89 | 2591 |
| Delancey, Mary S. | 103 | 3000 |
| Denton, Fi, May | 10:3 | 3000 |
| * Denton, A. Augusta | 10:3 | 1000 |
| Deveau, Louise | 49 | $1+26$ |
| * Doty, Floris G. | $10 \%$ | 4000 |
| *Doty, l.ytha M. | 103 | 40) 00 |
| Doncet, Nellie | 102 | 2970 |
| Durland Bessie R | 10:3 | 3000 |
| *Franklin, Ama M. | (18) | 2640 |
| Gormley, Katherine I. | 91 | 2737 |
| Grant, Estella V. | 93 | 2708 |
| Harris, Nellie M. | 10:3 | 3000 |
| Hersey, Laura B. | 10:3 | 3000 |
| Hiltz, Livian M. | $9: 3$ | 2708 |
| Kinney, Rowena J. | 100 | 2912 |
| Ielblanc, Symphorien | 10:3 | 3000 |
| *Iewis, Jessie M. | 91 | 33.34 |
| *Mack, Annie L. | 10:3 | 4) 00 |
| Manzar, Gladys R. | 100 | 2912 |
| *McCullungh, Netie B. | 94 | 3650 |
| *Melancon, Leonie A. | 50 | 1941 |
| Melancon, Nellie | 103 | 3000 |
| *Millner, C. Evelyn | 97 | 3767 |
| Morse, Ethel Fi*. | 89 | 2591 |
| Nowlan, Lena M. | 48 | 2562 |
| Prime, Lenetta | 103 | 3000 |
| Ring, Viva M. | 103 | 3000 |
| Robichaud, Emelie | 103 | 3000 |
| Robicheau, I sabella | 103 | 3000 |
| Robichean, Loretta M. | 103 | 3000 |


|  |  |  |  |
| :--- | ---: | ---: | :--- |
| Sanders, E. Grace | 103 | 30 | 00 |
| Sister M. Gonzaga | 103 | 30 | 00 |
| Snow, Delma | 102 | 29 | 70 |
| Taylor, Sophia M. | 54 | 15 | 72 |
| Thibault, Monique | 98 | 28 | 50 |
| Thimot, Elina | 103 | 30 | 00 |
| Thurber, Bessie G. | 103 | 30 | 00 |
| VanTassel, Bertha S. | 103 | 30 | 00 |
| Wetmore, Flora E. | 103 | 3000 |  |
| *Young, Erinina V. | 103 | 4000 |  |

Annumants.
Sister M. Ursula
45 00
Jones, Watson C.
Smallie, Mary I.
Goodwin, Einma M.

## GUYSBORO.

| Beattie, Frank H. | 102 | $10: 395$ |
| :---: | :---: | :---: |
| McLeod, Angus N. | 102 | 10395 |
| Martin, Osear McN. | 102 | 7425 |
| Barss, Clemqntine A. | 10.3 | 6000 |
| Dillon, Eva | 100 | 5825 |
| Fultz, Emily | 100 | 5825 |
| Giffin, Annie H. | 103 | 6000 |
| Hadley, Marion | 97 | 56) 49 |
| Kinley, Florence | 103 | (6) 00 |
| Macdonald, Mary C. | 103 | $(0000$ |
| McGillivray, Amelia J. | 102 | 5941 |
| Brown, Mary E. | 103 | 45) 00 |
| Barss, Edna M. | 103 | 4.500 |
| Cox, Josephine | 103 | 4.5 00 |
| Davis, Hazel V. | 53 | 2315 |
| Jenkins, Georgina C. | 102 | 14 |
| Leydon, Catherine | 10:3 | 1500 |
| Matheson, C. Edna | 10:3 | 5500 |
| Ross, E. May | 10.3 | 4 5 00 |
| Shanalan, L. J. | 10:3 | 4500 |
| Scott, Catherine | 20 | 872 |
| Skinner, Henrietta | 103 | 4500 |
| Taylor, Mabel C | 10.3 | 1500 |
| Walsh, Helen B. | 99 | 4324 |
| Ashton, Maude Ef. | 103 | 3000 |
| Barkhouse, Mary J. A. | 103 | 1000 |
| Barrigan, Lila M. | 100 | 2912 |
| Bruce, Bessie | 79 | 2300 |
| Boyle, Katie A. | 103 | 3000 |
| Boyd, Sarah E. | 103 | 3000 |
| Bontin, Irene Honora | 77 | 2242 |
| Cunningham, Esther M. | 10.3 | 3000 |
| *Chisholm, Mary C. | 103 | 40 (1) |
| Fougere, Remi | 70 | 2089 |
| Forrestall, Mary | 101 | 2941 |
| Ferguson, Ruth R. | 69 | 20.09 |
| Goodwin, Leda M. | 92 | 2679 |
| Grant, Jennetta M. | 103 | 3000 |
| *Girrioir, Beatrice | 93 | 3611 |
| Jameson, Bessie G. | 10:3 | 3000 |
| * Jameson, (na M. | 10:3 |  |
| *Johnson, Agatha | 79 | 30.58 |
| Jones, Clara M. | 103 | 3000 |
| Henry, Ethel M. | $10: 3$ | 3000 |
| King, Leo Joseph | 102 | 2970 |



[^0]Annuitant.
Taylor, Mrs. Anne
Hanifen, Margaret
St. Mary
Archibald, A. D.
Bent, Laura F .
Bent, Georgina $F$.
Corneally, Lottie G.
Jewers, Beatrice
Kirk, Gertrude 13.
McCalse, John M. S.
McNathghton, D. P.
Manthorne, Jennie M.
Nowlan, Bessie A.
Pye, Hannalı
Taylor, Marion J.
Ralcombe, Lucy W.
Chisholn, Elizabeth C
Cumming, A. D.
Hartling, Margaret B.
*Hartling, James Hugh
*Jacksom, Annic F.
MeGregor, Edith J.
McPhie, Mabel
103
103
103

* Nelson, Loie R.

Staples, Iorena C.

HATIFAX.

McKay, A.
Morton, S. A.
Logan, J. W.
Mackintosh, K. W.
Trefry, J. W.
Bancroft, ( F . R.
Peters, F. A.
Bigney, E. M.
MacDonald, I:. M.

| $\text { Hill }_{\text {Bloin }} \mathrm{K} .$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 39 |  | Shields, E. G. | 98 |  |
| $\mathrm{Clm}_{\text {min }} \mathrm{G}$. K . | 103 | 9000 | Shields, S. W. | 103 | 6000 |
| Doberings, E . | 98 | 8559 | Sims, S. A. | 98 | 57 |
|  | 98 | 5707 | Spenser, A. | 98 | 5707 |
| Harshall, ${ }^{\text {mix }}$ | 98 | $\begin{array}{r}44 \\ 85 \\ \hline 89\end{array}$ | Spencer, F. M. | 98 | 5707 |
| 0 lmay , M. R. | 67 |  | Sullivan, Mme. | 98 | 5707 |
| $\mathrm{K}_{\text {fearn, }} \mathrm{P}$. | 98 | 18 71 32 | Theakston, H. S. F. | 98 | 57 07 |
|  | 103 | 90.90 | Tulloch, M. E. | 98 | 5707 |
| Athes, ${ }^{\text {mile, }}$ Sr, | 98 | 8559 | Tynans, J. C. | 98 | 5707 |
| ${ }^{\text {Pritata }}$, | 98 | 5707 | Wakeley, A. C. | 98 | 57 57 57 |
| Sr. | 98 | 5707 | Waisln, J. L. | 98 | 5707 |
| and E. | 98 | 5707 | Whaten, A. T. | 98 | 5707 |
|  | 98 | 5707 | Wiswell, 1. M. | 98 |  |
| firch mid, S . | 103 | (60)00 | Woolrich, M. E. | 98 | 5707 |
|  | 98 | 5707 | Xavier, Sr. | 74 | 4309 |
| bumben, E. M. | 98 | 3707 | Ackhurst, M. I. | 98 | 1280 |
| $\mathrm{Br}_{\text {frimen }}$, M. | -98 | 5707 | Ancient, F. S. | 73 | 3188 |
|  | 108 | 6000 | Baker, G. H. | 98 | 4280 |
| bunt, $B$. $G$. | 48 | 57 107 <br> 57  | Bayer, A. I. | 98 | 4280 |
| Brocie ${ }^{\text {H. }}$ D. | 98 | ${ }^{27} 907$ | ${ }^{\text {Bayer, H. M. }}$ Blakeney, B H V | 98 | 4280 |
| ${ }^{\text {rown }}$, , | 103 | 6000 | Blakeney, Blois, F. H. | $\underline{25}$ | 1091 |
| ${ }^{\text {rown }}$, M R. | 98 | 5707 | Broadhurst, M. E. | 95 103 | 4149 |
| Sutilier, M. | 98 | 5707 | Butler, E. R. | 36 | 1571 |
| cheron, M. L. | 98 | 5707 | Catherine, Sr. | 98 | 4280 |
| Clama, ${ }^{\text {che }}$ | 98 | 5707 | Cliristina, Sr. | 98 | 4280 |
| hisman. | 103 | 6000 | Clark, E. M. | 98 | 4280 |
| Come ${ }_{\text {m, }}$, L. | 98 | 5707 | Clement, Sr. | 98 | 1280 |
| Heepta, ${ }^{\text {S }}$ A. | 98 | 5707 | Cunninglaam, E. S. | 98 | 4280 |
| ${ }^{\text {un minton, }}$, | 98 | 53 | Curren, F\%. M. | 98 | 1280 |
| ela ${ }^{\text {a }}$ l $h_{\text {am }}$ M. | 98 | 5707 | DePazzi, Sr. | 98 | 4280 |
| ernanty, ${ }^{\text {a }}$, M. | 98 | 5707 | Delphine, Sr. | 98 | 4280 |
| 隹y, I. B. | 98 | 5707 57 | Devine, M. E. | 98 | 4280 |
| ${ }_{\text {a, }}$, Sr . | 98 | $\bigcirc 707$ | Ead, M. J. | 98 | 4280 |
| , | 98 | 5707 | Evangelista, Sr. | 98 | 4280 |
| Thestin. M. | 98 | 5707 | Felix, St. | 98 | 4280 |
| me, Sr . | 98 | 5707 | Finn, Mme. | 98 | 4280 |
| , rr. | 98 | ${ }^{67} 107$ | Gervase, Sr | 98 | 4280 |
| , Sr . | 98 | 3707 | Grant, R. G. | 84 | 3668 |
| mers E. M. | 88 | 5707 | Grierson, F. | 98 | 4280 |
| raple ${ }^{\text {che }}$ H.L. | 98 | 5707 | Grierson, M, H. | 98 | 4280 |
| abl $\mathrm{R}^{\text {a }}$ Sr. | 98 | 5707 | Hamilton, H. H. | 98 | 4280 |
| Hats, C E. | 98 | 5707 | Hartigan, Sr. | 98 | 4280 |
| Hat | 98 | ${ }^{27} 07$ | Healy, K. E. | 98 | 4280 |
| Hate, $A$ A. $C$ | 98 | 5707 | Henrion, C. E. | 98 | 4280 |
| $\mathrm{keph}^{\text {grin }}$, M. | 98 | 5707 | James, C. A. | 98 | 1280 |
| $k_{\text {ely }}{ }^{\prime} J^{\prime} M . M$. | 98 | -57 ${ }^{57} 17$ | Jamieson, H. J | 98 | 4280 |
| ara, Mrap | 98 | 57 57 57 07 | J. Baptist, Sr. | 98 | 1280 |
| tony 4 e | 98 |  | Johns, M. A. | 98 | 4280 |
| adeline $S^{\text {a }}$, | 98 |  | Johnston, I. J. | 98 | 4280 |
|  | 98 |  | Joseph, Sr. | 98 | 4280 |
|  | 98 |  | Kennedy, M. C | 98 | 4280 |
|  | 98 | 578 | leo, Sr : | 98 | 4280 |
|  | 98 | 5707 | leocadia, sr. | 98 | 4280 |
| Ratis. M. A. | 10:3 | (i) 00 | logan, sr. | 98 | 4280 |
|  | 98 | 5707 | Lyall, B. H. | 98 | 4280 |
| P | 98 | 5707 | lyons, M. | 34 | 1484 |
| ${ }^{\text {D }}$, $R$. | 98 | 5707 | Mcarthur, Mc . R . | 98 | 4280 |
| J. | 98 | 5707 | McGregor A | 98 | 4280 |
|  | 98 |  |  | 98 | 4280 |
| - ${ }^{\text {A }}$ | 98 | 5707 | Maria, Sr. A. | 98 | 4280 |
| $3{ }^{\circ}$ | 103 | 6000 | Martin, J. J. | 15 | 4880 654 |
| ' ${ }^{\text {C. }}$ | 89 | 5183 | Mary, Sr. | 98 | 4280 |
|  | 98 | 5707 | Mitchell, I. E. J. | 98 | 4280 |
|  | 98 | 5707 | Mooney, E. M. | 98 | 4280 |


|  |  |
| :--- | ---: |
| O'Brien, M. A. |  |
| O'Donoghue, M. T. T. | 98 |
| Perpetua, Sr. | 98 |
| Phelan, F. | 98 |
| Publicover, J. E. | 19 |
| Putnam, A. I. | 98 |
| Raphael, Sr. | 98 |
| Remigius, Bro. | 98 |
| Rita, Sr. | 98 |
| Rockett, M. M. | 98 |
| Ross, Carrie F. | 98 |
| Stanislaus, Sr. | 98 |
| Strattan, E. | 98 |
| Sullivanl M. | 98 |
| Sullivan, M. T. | 98 |
| Sullivan, M. T. R. | 98 |
| Theakston, S. L:. | 98 |
| Travis, A. A. | 103 |
| Trivett, M. F. | 98 |
| Vincent, Sr. | 98 |
| Walsh, A. M. | 98 |
| Warner, M. F. | 98 |
| Wells, C. | 98 |
| Wells, M. H. | 98 |
| Willis, F. J. | 98 |
| Jemmot, M. F. | 98 |
| Patrick, Bro. | 98 |
|  | 98 |

Evening Schools.

Huggins, C. M. Ross, li. J.
Titus, K. L.

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Annertants.

| Hill, Helen McG. | 98 | 6000 |
| :--- | :--- | :--- |
| Torrey, E. C. | 98 | 4.500 |
| Gossip, C. M. | 98 | 3000 |

CoUnty

| Patterson, Ciladys M. | 10:3 |
| :---: | :---: |
| Stapleton, W. C. | 101 |
| Stapleton, W. C. | 28 |
| Allen, Clıristina | 101 |
| Bell, Mary F. | is |
| Corktur, Ethel | ! 18 |
| Creighton, Firances $\mathrm{G}_{\text {. }}$ | 98 |
| Grant, It hel M. | 108 |
| Guild, Lulu J. | 98 |
| Henry, Ethel K. | 103 |
| Hill, Annie $\mathrm{I}_{1}$. | 103 |
| Hilt\%, Ethel M. | 98 |
| Miller, liorence M. | 98 |
| Ogilvie, Isstey M. | 103 |
| Prescot, Alice | 101 |
| Rutherford, Margaret F. | 10.3 |
| Settle, Gertrude | 931 103 |
| Tupper, Edith I. | 103 |
| Ahern, Mary |  |
| Balcombe, Florence C. | 103 |
| Browne, Grace A. | 10. |
| Burgess, Bertha 1. | 101 |
| ark, Janet G. | 91 |
| Clark, Ina J. | 100 |

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Coleman, H. It
Conrad, Ethel M.
DeVan, Eileen M.
Dickie, Gertrude H.
Dickie, Lillie A.
Eaton, Bertha M. I.
Ellis, Nina M.
Erskine, Jennie B.
Fahie, Annie M.
Farnell, Eva T.
Findlay, Sadie
Findlay, Sadie (Fiv. Sc.)
Fisher, Adela 13.
Foley, Ethel
Fox, Jean Christie
Fraser, Ella J.
Gallagher, Adelaide
Gallagher, Mildred
Gates, Gertrude M.
Goodick, J. R.
Graham, Myrtle E.
Grant, Christine
Greig, Lily C.
Hamilton, Mary A.
Hartling, Etta M.
Heisler, Arthur J.
Higgins, Eimma A.
Hume, Mary M.
Hume, Bessie
Laidlaw, Elizabeth
Langille, Jessie 1 .
Marryalt, Ida M.
Mellish, Mary
Morash, Sara M.
Myers, Jeanetta A.
Myers, Tillie A.
MacGillivray, I lora
MacKay, Isabel
Mckenzie, Margaret A.
McLeod, Beatrice
Reid, Mary K.
Remily, Jottie R.
Roche, Mary
Schultz, Sadie I:
Shaflelburg, Ada I.
Shaw, Sarall IE
Shute, Jessie 'T.
Smith, litna ${ }^{\text {S }}$
Smiti, Amma M. İ.
Smith, Isabella
Smith, Pearl, M.
Stiles, Edna M.
Strachan, Katherine
Tays, Certrude H.
Tays, Hattie S.
'Thomas, Bessie
Thompson, Roy M.
Tucker, Bessie J.
Vaughan, Ethel
Wickwire, Annie I.
Wier, Amelia
Withrow, Helena H .
Archibald, Eminta

* Anderson, Artlurr J

Atkins, R. A.
Baker, Winifred
Burgoyne, Alice V.

103

## 102

## 103

## 103

103|  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Corke, Catherin | 103 | 3000 | Webber, Kathleen J. | $9+$ | 2737 |
| Comeau, Corderine B. | 98 | 2833 | Yeadon, Ida M. | 10;3 | 3000 |
| Comiea, Cordelia R. | 48 | 1223 | Naylor, Kate | 98 | 2853 |
| Collits, Margaret | 52 | 1514 | Annuitants. |  |  |
| Corner, Pearl | 98 | $\bigcirc 8.33$ |  |  |  |
| Corner, Anta | 103 | 30 00 | Gibbons, John Bacon, Amelia A |  |  |
|  | 103 | 3000 |  |  | 3000 |
|  | 101 | $29+1$ |  |  |  |
|  | 103 | 3000 | - |  |  |
| Duphinee, Elsie M $^{\text {at }}$ ${ }^{4}$ prie, Mabel B. | 103 | 3000 |  |  |  |
|  | 102 | 2970 | HANTS. |  |  |
|  | 103 | 4000 | West. |  |  |
| *Pade, Annie Mi | 90 | 30 <br> 269 <br> 29 <br> 29 |  |  |  |
| Susion, Cora | 54 | 2097 | Kaulbach, Lenore | 98 | 8559 |
| * Roy, Irene M . | 101 | $29+1$ | Smith, I. A. | 101 | 10293 |
| $0_{\text {aet }}^{0}$ or, Bertha | 100 | 2912 | Best, Flora A. | 97 | 5049 |
| $\mathrm{Catat}_{\text {ates }}$ Flora | 10:3 | 1000 | Brennan, Maude A. M | 103 | 6000 |
| ${ }^{*}$ (G) es, Plessali | 103 | 3000 | Faulkner, Aveline | 101 | 5883 |
| $\mathrm{Cr}_{\text {raw }}$ Soth, Fthel | 103 | 3000 | Faulkner, Harriett C. Faulkner, Nina Ethel | 103 | 6000 |
| Guild, Edna G. | 103 | $\pm$ |  | 99 | 5766 |
| Hall , Ethel G: | 103 | 3000 | L.ockhart, Bessie B. | 102 | 5941 |
| $\mathrm{H}_{\text {eisler }}$ Mabel E: | 103 | 3000 |  |  | 6000 |
| ${ }^{\text {Hig ig igin, }}$ Nellie M. | 103 | 3000 | McCulloch, H. GertrudeMeDonell, L. Margaret10 |  | 6000 |
| ${ }_{*} \mathrm{H}^{\text {arpself }}$ J Sephine | 103 | 3000 |  |  |  |
| ${ }^{*}$ Hildehie, Amanda | 99 | 2882 | McLellan, Mary 9 | 98 |  |
| jewers, Gelilie M. | 103 | 4000 | O'Brien, Annie B. |  |  |
| ${ }^{*}$ Joney, ${ }^{\text {eledtas }} \mathrm{P}$. | 101 | 2941 | Oulton, Millage Parker, Maie I. | 101 | 5888 58 |
| Julien, M. Elan | $10: 3$ | 3000 | Pentz, Bertha E: | 102 | 5941 |
| Josey, Fmma | 97 | 3767 | White, Jennie, M. | 98 | 5707 |
| - Kennedy Hatie B . | 103 | :3000 | Baizley, Ably B . | 101 | 4412 |
| * ${ }^{\text {apiedy }}$ erre Winifred | 59 | 1717 | Bennett, Hanna | 98 | 4280 |
| Mewe, Cathatilda | 98 | 2833 | Burgoyne, N. A. Caldwell, Winnie 1 B | 97 | 4237 |
| Muly, ${ }^{\text {y }}$, Wherine M | 87 | 33: 78 |  | 103 | 4500 |
| Murhy, Marlmelmina | 89 | 34 36 | Camphell, I.ena B. Dimock Annie A. | 94 | 4106 |
| rray, Mary | 69 103 |  | Dimock, Jessie | 98 | 4280 |
| ra, Blany I Sabel | 69 | 2009 |  | $10: 3$ |  |
| Mchenzie, Elsie | 103 | 3000 | Goudy, Emily F .Gralam, Alice F | 97 97 | 4259 |
| MCL | 103 | 3000 |  | 103 | 4500 |
| 0 bilvie, Alennie | 30 | 873 | Harrison, Alna F . | 88 | 3843 |
| Orivive, Bertha | 94 | 3650 | Harvie, AliceHebl), Florence Edith | 101 | 412 |
| Privie, Pessie R | $8: 3$ | 2417 |  | 73 | 3188 |
| A helre A. | 103 | 3000 | Kelley, Mimie A. 9x |  | 12 80 |
| Ty, El Wida M | 103 | 3010 | Lawrence, Harriett E. I.yneh, Jessie A. | 10;3 | 4500 |
| st, Mar M. | 103 | 3000 |  | $10 ; 3$ | fi) 00 |
|  | 10:3 | 3000 | Marielte, Jimma M.î | 10:3 | 1500 |
| Reidd, Messa M | 10:3 | 30100 | MeCurdy, Helen <br> Mclearn, Certrude I: | 98 | 4. 80 |
| *Rit hardsanel I . | 8t | 3262 |  | $10 \cdot 2$ | H 5 |
| Sibley, An, Edith | 93 | 3611 | Miller, A. Blanche | 102 | 4.56 |
| ey, Florusta 0 . | 103 | 3000 | Mosher, Idella P. | 101 | 412 |
| Cy, Harence E. | 10.3 | 4000 | North, Marjorie D.Parsons, Marriett A. | 98 | 4280 |
| son, $\mathrm{R}^{\text {liet }} \mathrm{M}$. | 103 | 3000 |  | 101 | 4 H |
| Ty, Euth $B$. | 101 | 2941 | Peck, Jessie A. <br> Rines, Rossie A. | 103 | 45 00 |
| , Mama | 42 | 1223 |  | 102 | 44.56 |
| Alicaret E | 87 | 33878 | Rines, Rossie A. Sumford, Alida R. | 103 | 4500 |
| , ${ }^{\text {a }}$ | 103 | 3000 | Shaw, Mildred | 10:3 | 4500 |
| ys B | 88 | 3417 |  | 101 | $4+12$ |
|  | 88 | 2562 | Simm, Ethalyn I. Spencer Fred I | 103 | 4500 |
|  | 10.3 | 3000 | Spencer, Fred I. Wallace, Ellen | 101 | 4412 |
| Wether, R ${ }^{\text {arace. }}$ | $10: 3$ | 3000 | *Chesley, Isabel E. | 84 | 3262 |
|  | 99 | 2882 |  | 94 | 2737 |
| Mary ${ }^{\prime}$ jessie C | 103 | 3000 | Gray, Bessie C. A. Greenough, Jennie | 103 | 3000 |
| Y B. | 103 | 30) 00 |  | 103 | 3000 |
|  | 89 | 2591 | Lantz, Mabel F. | 103 | 30 |


| Laws, Lillian F. | 98 | 2853 |
| :---: | :---: | :---: |
| *Levy, Evelyn M. | 69 | 2679 |
| *MacKeen, Ethel G. | 103 |  |
| Meadows, Mary Pearl | 102 |  |
| *Miller, Edna J. | 54 | 2097 |
| Mosher, Mary Iouise | 103 |  |
| O'Brien, Alice I. | 78 |  |
| Spearing Alice M | 98 | -28 08 |
| Smith, Emma G. | 98 103 |  |
| *Smith, Ida I. | 10.3 | 2873 |
| *Stewart, Violet R. | 103 | 3000 |
| Underwood, Jame <br> * Vaughan, Mary Pamela | 188 | 2640 |

East.



| Beaton, Mary Belle | 98 | 28.53 |
| :---: | :---: | :---: |
| Beaton, Sarah Ann | 4 | 1.16 |
| Bell, Elizabeth | 89 | 25.91 |
| Bell, Hugh P. | 49 | 14.26 |
| Cameron, Jessie M. | 102 | 29.70 |
| *Chisholm, Cassie | 20 | 5.82 |
| Gillis, Mary Bell | 99 | 28.82 |
| Grant, Edith E. | 91 | 26.50 |
| Hawley, Maude | 103 | 30.00 |
| Leonard, Eliza May | 86 | 25.04 |
| McArthur, Sadie | 43 | 12.52 |
| *McDonald, Angus D | 45 | 13.10 |
| McDonald, Annie M. | 98 | 28.53 |
| McDonald, Anna F. | 76 | 22.13 |
| McDonald, Eva | 54 | 15.72 |
| Macdonald, Effie Jane | 102 | 29.70 |
| McDonald, Florence | 103 | 30.00 |
| McDonald, Jessie | 20 | 5.82 |
| McDonald, Katie | 94 | 27.37 |
| McDonald, Mary Jane | 103 | 30.00 |
| Macdonald, Mary S. | 30 | 8.73 |
| McDougall, Jessie Ann | 103 | 30.00 |
| McEachen, Mrs. J. | 81 | 23.59 |
| McGillvary, Margaret | 102 | 29.70 |
| MacIntosh, Jessie A. | 36 | 10.47 |
| MacIntyre, Catharine J. | 103 | 30.00 |
| MacKillop, Ethel Bell | 73 | 21.26 |
| Mclean, Sophia Jane | 20 | 5.82 |
| McLeod, Catharine | 32 | 9.31 |
| MacMaster, Mamie | 103 | 30.00 |
| MacMillan, Victoria K | 19 | 5.52 |
| McMillan, Katie | 101. | 29.41 |
| Macnamara, Rose Jane | 83 | 24.17 |
| MacNeill, Mary A. | 103 | 30.00 |
| McQuarrie, Wm. Albert | 92 | 26.79 |
| Matheson, Dolena C. | 102 | 29.70 |
| Nelson, Gustave Adolf | 18 | \%. 23 |
| Proctor, Messic G. | 54 | 15.72 |
| Proctor, M. İ. | 27 | 7.86 |
| Rose, Violet | 84 | 24.46 |
| Ross, John A. | 82 | 23.88 |
| Skimer, Daniel J. | 9 | 2.62 |
| Smith, Sarah Lorena | 103 | 30.00 |
| Porter, A. Murray | 39 | 11.35 |
| * ibreen, Vrances E. | 100 | 34.83 |
| *Chisiohn, Cassie | 97 | 37.67 |
| *Coady, Daniel M. | 54 | 20.97 |
| * Davis, Mrs. Mary | 103 | 40.00 |
| * Davis, Mrs Mary | 25 | 9.71 |
| * Gramt, Bertha Alice | 92 | 35.72 |
| * Jameson, Roberta | 78 | 30.29 |
| * Mactonald, Flora Bell | 95 | 36.89 |
| *Machonald, Mary Jane | 103 | 40.00 |
| *Mcfean, Charles A. | 15 | 5. 82 |
| * Maclean, lifle Barbara | 1.4 | 24.85 |
| * Mactean, Margaret A. | 79 | 30.58 |
| * Moram, Janes | 59 | 22.91 |
| *?uigley, May If. last term |  | 5.00 |

Angus McQuarrie
3000
KINGS.
Camplell, Jessie B.
101
102.93

Fairweather, Ernest E. 103105.00

| Ford, Robie W | 103 | 105.00 | McDonald, John A. | 103 |
| :---: | :---: | :---: | :---: | :---: |
| Ford, Robie Oxner, Bertha G . | 103 | 90.00 | Millet, Susie | 3 |
| - Webster, Winnifred M. | 103 | 90.00 | Morse, Kate O. | 103 |
| Boyle, Ánnie B. T. | 103 | 60.00 | Mosher, Margaret E. | 98 103 |
| Brinton, Effie S. | 103 | 60.00 | Nichols, Lola M. | 100 |
| Cochran, S. Ethel | 103 | 60.00 | North, Letta | 103 |
| Chute, Fannie LaV. | 103 | 60.00 58.83 | Parke, Nellie L. | 101 |
| Chute, Hettie M. | 101 | 58.83 | Parker, Iva E. | 103 |
| Cottle, Pauline D. | 101 | 58.83 | Parker, Prue E. | 1017 |
| - Crisp, William K. | 85 | 49.50 | Patterson, Fore D. | 103 |
| Crossley, Nellie B. | 102 | 59.41 50.78 | Phinney, Jenny | 101 |
| - Crowe, Louise B. | 973 | 50.78 | Robinson, Mara | 103 |
| Dennison, Gertrude A. | 103 | 60.00 60.00 | Robinson, Mabel | 102 |
| Dow, Jessie M. | 103 | 60.00 | Rockwell, Lila | 103 |
| Durling, Ina | 103 | 60.00 59.70 | Roy, Mande E.ingabeth | 102 |
| Elliott, S. E. Primrose | $102 \frac{1}{2}$ | 59.70 57.07 | Ryan, Irene Elizabeth | 103 |
| Foote, Rebecca K. | 98 | 57.07 | Sanford, Celia A. | 99 |
| Foster, Mayhew C. | 18 | 10.47 | Sanford, Sadie Weaver | 103 |
| Gilliat, Ruth E. | 98 | 57.07 | Shipley, Mary H. | 103 |
| Hamilton, Helena H. | 92 | 53.58 | Smith, B. Evelyn | 103 |
| Healy, Lidy A. | 103 | 60.00 | Swindell, Charlotte E. | 103 |
| Hines, Nora Creneva | 25 | 14.56 | Taylor, Sadie E. | 103 |
| Hird, Cassie B. | 78 | 45.42 | Tobin, Gertrude | 103 |
| Illsley, Ethel M. | 57 | 33.19 | Turner, Beatrice M | 102 |
| Langille, Antoine | 102 | 59.41 | Weaver, Beatrice M. | 103 |
| Lee, Minnie M. | 103 | 60.00 | Wickwire, Mabel E. | 103 |
| Loomer, Estella J. | 103 | 60.00 | Wikins, Frattie | 103 |
| MacGregor, Ruperta | 15 | 8.73 | Yould, Evangeline | $76 \frac{1}{3}$ |
| Margeson, Susie M. | 103 | 60.00 | Young, Etta L. | 57 |
| McMurtery, Haidee P. | 103 | 60.00 | * Barnaby, Elsie | 81 |
| Morse, Elizabeth G. | 103 | 60.00 | * Bishop, Terty N. | 49 |
| Munro, Lizzie B. | 103 | 60.00 | Bowser, Mary Frances | 70 |
| Smith, Vera M. | 103 | 60.00 | *Collins, Leila L. | 93 |
| Spurr, Alice M. | 103 | 60.00 | *Costly, N. Royal | 103 |
| Wood, Apha Maie | 103 | 60.00 | Dorey, Hattie B. | 70 |
| Woodward, Grace L. | 103 | 60.00 | * Driscoll, Fred A. | 79 |
| Wylde, Sara P. W. | 103 | 60.00 | * Driscoll, Loretta C. | 103 |
| Annis, Bessie M. | 20 | 8.72 | Easson, Mabel B. | 75 |
| Annis, Vivian | 98 | 42.80 | *Foley, Ethel Viola Hintz | 103 |
| Archibald, Rosamond | 8 | 3.48 | Griffin, Grace Lillian | 78 |
| Barkhouse, Grace B. | 103 | 45.00 | * Hazell, Eliza J. | 77 |
| Barteaux, Myrtilla E. | 103 | 45.00 | * Harvey, Bessie B. | 103 |
| Bisset, Any R. | 103 | 45.00 | Hennigar, Grace D. | 74 |
| Boyle, Harriet M. | 103 | 45.00 | *Illsley, Julia S. | 103 |
| Browne, Laurie B. W. | 100 | 43.68 | * Jenkins, Mary | 103 |
| Cahill, Cassie I. | 103 | 45.00 | *Kaulbach, James O. | 96 |
| Challen Bessie | 103 | 45.00 | Keddy, Harlaw F. | 93 |
| Chase, Minnie C . | 103 | 45.00 | Lantz, Helena M. | 76 |
| Chute, Edith A. | 103 | 45.00 | * Loomer, Elizabetlı M. | 89 |
| Clarke, Jennie M. | 103 | 45.00 | *Mapplebeck, Idella | 102 |
| Coldwell, Ross F . | 103 | 4.5 .00 | *McMann, Gertrude L. | 74 |
| Corkham, D. A. | 103 | 45.00 | *Nowlin, Elsie M. | 89 |
| Cox, Miriant J. | 96 | 41.93 | *Ogilvie, Gertrude | 103 |
| Daniels, Mildred W. | 103 | 45.00 | Palmeter, Lizzie May | 88 |
| Davison, Nina E. Read | 98 | 42.80 | * Parker, Bertha M. | 88 |
| Eaton, Iennie May | 103 | 45.00 | * Parker, Ruby H. | 103 |
| Foote, Edith May | 103 | 45.00 | Parrish, Cora 13. | 89 |
| Foster, Laurie E. | 98 | 42.80 | *Pinco, Ida B. | 51 |
| Fraser, Daisy Reid | 103 | 45.00 | Reddy, Gertrude E. | ${ }^{61}$ |
| Guild, Libbie | 103 | 45.00 | *Russell, Harriet L. | 105 |
| Higgins, Margaret | 103 | 45.00 | *Smith, Eva M. | 89 |
| Jenkins, Giralda H. | 72 103 | 31.44 | *Sperry, Jessie B. | 98 |
| Iamont, Mary Gertrude | 103 | 45.00 | * Swindell, Ina | 49 |
| Lee, Ena | 103 | 45.00 45.00 | * Vaughan, Cora A. Keddy | 74 |
| Lockhart, Harry P. | 103 | 45.00 | *Veinot, Sophia |  |
| Mahan, Effie E. | 103 | 45.00 | Weaver, Annie L. |  |
| Margeson, Hannah L. | 103 | 45.00 | Weaver, Ermie Althea |  |

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| Keddy, Bessie | 103 | 4500 |
| :---: | :---: | :---: |
| Langille, Edith | 103 | 4500 |
| Lantz, Hannah | 103 | 4500 |
| Lohnes, Minnie | 103 | 4500 |
| Mader, Bessie | 103 | 4500 |
| Manning, Myra | 103 | 4500 |
| Manthorne, Maud | 103 | 4500 |
| Marithorne, Muriel | 74 | 3231 |
| Mason, Jessie | 103 | 4500 |
| Millett, Sadie | 72 | 3144 |
| Mouzar, Laliah | 103 | 4500 |
| McLachlan, Ethel | 98 | 4280 |
| McLachlan, Lelia | 98 | 4280 |
| Naugler, Agnes | 93 | 4062 |
| Parker, Carrie | 15 | 654 |
| Rafuse, Eva | 103 | 4500 |
| Reinlardt, Grace | 103 | 4500 |
| Richard, Edith | 102 | 4456 |
| Ritcey, Winnie | 103 | 4500 |
| Romkey, Mary C. | 103 | 4500 |
| Silver, Florence | 103 | 4500 |
| Silver, Susie | 103 | 4500 |
| Smeltzer; Lillie | 103 | 4500 |
| Smith, Eva M. | 102 | 4456 |
| Smith, Idella | 103 | 4500 |
| Smith, Lola | 103 | 4500 |
| Smith, Mary | 100 | 4368 |
| Taylor, Edith | 99 | 4324 |
| Thompson, Florian | 73 | 31. 88 |
| Thompson, Mary E. | 103 | 4500 |
| Tobin, Mary E. | 103 | 4500 |
| Tobin, Ellen M. | 103 | 4500 |
| Wamback, Vera | 103 | 4500 |
| Warner, Emma I. | 103 | 4500 |
| Webber, Debbie It. | 103 | 4500 |
| Wentzell, Lois | 103 | 4.300 |
| West, Ella L. | 103 | 4500 |
| Wynacht, Maggie | 98 | 4280 |
| Young, Edith M. | 102 | 4456 |
| Bell, Gertrude | 103 | 3000 |
| Bell, Minnie | 103 | (30) 00 |
| İerringer, Ross J. | 103 | 3000 |
| Brooks, İena | 103 | 3000 |
| Barns, Elsie | 103 | 3000 |
| Chesley, Jessie | -103 | 3000 |
| Corkum, Beatrice | 10. | 2970 |
| Corkim, Cladys | 10:3 | 30) 00 |
| Crouse, Cynthia | 98 | 288 |
| Crouse, Ceorgina | 99 | 288 |
| * Dauphinee, L.ee | 110; | 4000 |
| Deal, Bernice | 103 | 3000 |
| Dolliver, Lydia | 103 | 3000 |
| Durland, Nima | 102 | 2970 |
| Fisenhaner, Beulah | 103 | 3000 |
| Eisnor, Idella | 74 | 2155 |
| Ernst, Charlotte | 96 | 2795 |
| Fancy, lizabeth | 102 | 2970 |
| Feindell, Addie | 103 | 3000 |
| *Fralic, Enid C. | 103 | 4000 |
| *Hamm, Nellie | 33 | 1282 |
| Hawboldt, Ida | 103 | 3000 |
| Hebb, Lavinia | 102t | 2985 |
| Hebb, Leda | 94 | 2737 |
| Herman, Eva H. | 99 | 2882 |
| Himmelman, Viola | 103 | 3000 |
| Hirtle, Amanda | 103 | 3000 |
| Hirtle, Etta M. | 97 | 2824 |


| Hirtle, Gladys | 103 | 3000 |
| :---: | :---: | :---: |
| Hirtle, Jessie | 103 | 3000 |
| Inglis, Mary | 54 | 1572 |
| * Jefferson, Howard | 103 | 4000 |
| *Jefferson, Minnie | 103 | 4000 |
| Joudrey, Lida | 56 | 1630 |
| Kaulback, Laura | 98 | 2853 |
| Kennedy, Lois | 103 | 3000 |
| Langille, Aileene | 103 | 3000 <br> 38 <br> 06 |
| $*_{\text {Langille, Emery }}$ | 98 | 3806 2650 |
| Langille, Rebecca | 91 | ${ }_{2} 2650$ |
| Lohnes, Flossie | 102 94 | 29 36 50 |
| *Lohnes, Stella | 101 ${ }_{2}$ | 2956 |
| Morash, Carrie | 103 | 3000 |
| Mullock, Addie | 103 | 3000 |
| Mossmann, Ada | 103 | 3000 |
| *Mossmann, Cora | 101 | 3922 |
| MacInnes, Winifred | 103 | 3000 |
| *Newcombe, Florence | 68 | 2640 |
| Nickerson, Goldie | 25 | 728 |
| Rafuse, Maggie | 101 | 2941 |
| Ritcey, Geraldine | 103 | 3000 |
| Ritcey, Lillas | 103 | 3000 |
| *Slauenwhite, Florence | 103 | 4000 |
| Smith, Ada A. | 103 | 3000 |
| *Smith, Harrie A. | 101 | 3922 |
| Smith, Minnie B. | 103 | 3000 |
| Strumm, Emma | 103 | 3000 |
| Tufts, Edna A. | 103 | 3000 |
| *Veinot, Lillian | 103 | 4000 |
| Wagner, Ella A. | 851 | 2490 |
| Wentzell, Edith | 103 | 3000 |
| Wentzell, Jemima | 103 | 3000 |
| Wentzell, Mary P. | 103 | 3000 |
| Wessell, Laura | 100 | 2912 |
| Westhaver, Jennie | 103 | 3000 |
| Wolfe, Blanche M. | 103 | 3000 |
| Zwicker, Bessie | 101 | 2941 |
| Zwicker, Flora M. | 3 | 3000 |

Annuitants.

| Rieser, Daniel | 6000 |
| :--- | :--- |
| Faukner, Jas. | 4500 |
| Stoddart, Marie | 4500 |
| Heckman, Albert. | 30 |

Chester.

| Roy, Frances B. | 101 | 10293 |
| :---: | :---: | :---: |
| Hennigar, MaZel | $100 \frac{1}{2}$ | 5854 |
| Webb, Hattie M. | 101 | 5883 |
| Zinck, Austin A. | 101 | 5883 |
| Zinck, Minnie A. | 10:3 | 6080 |
| Countway, Blanchp | $9 \times$ | 4280 |
| Hatt, Ellie M | 103 | 4500 |
| Hennigar, Nina E. | 103 | 4500 |
| Hirtle, Seward W. | 103 | 4500 |
| Houghton, Mary C | 103 | 4500 |
| Kempton, Jessie M. | 103 | 4500 |
| Nauss, Ola G . | 101 | 4412 |
| Pentz, Ifarriet M. | 102 | 4456 |
| Webber, Olic ${ }^{\text {B }}$. | 103 | 4500 |
| Zinck, Florence | 103 | 4500 |
| *Alders, Jessie | 93 | 3611 |
| *Acker, Hattie | 103 | 4000 |


|  |  |
| :--- | :--- |
| Burgoyne, Mildred | 101 |
| Corkun, Annie B. | 102 |
| Corkum, Minnie | 103 |
| Forbes, Annie | 101 |
| Hawboldt, Gertrude | 103 |
| Hiltz, Cora E. | $102 \frac{1}{2}$ |
| Hyson, A. E. | 102 |
| Keddy, Sadie | 103 |
| Meisner, Jessie | 103 |
| Palmer, Queenie | 103 |
| *Rhynard, Gertrude | 102 |
| *Sanford, Ethel G. | 64 |
| Shatford, Estella | 102 |
| *Spidell, Jennie | 103 |
| Strumm, Annie | 103 |

## PICTOU.

| Fraser, W. P. | 100 |
| :--- | :--- |
| Maclellan, Robt. | 100 |
| MacLeod, Robt. H. | 100 |
| Munro, H, F. | 100 |
| Fraser, Annie D. | 101 |
| MacRae, Alice | 101 |



McInnes, Katherine
McLean, Viola B.
Stewart, Martha
Brown, Isabelle
Campbell, Margaret
Cameron, Bessie N .
Grant, W. A.
Gourley, Catherine
Gray, Alice E.
Haley, Mary
6
MacIntosh, Jennie S.
MacKay, Janie
MacKay, Marion
MacKenzie, Batbara
MacKenzie, Fmma
MacKnight, Jessie
MacLanders, Jennie
MacVicar, J. F.
Maxwell, I, ola
McCunn, Isabel
McGirr, Gertritcle
McIntosh, Grace
McMillan, Anabelle
Munro, Margaret A.
Patriquin, Bertha
Payne, Sadic M
Red, Fina 1 .
Reid, M. Olive
Rogers, Marion
Rose, Jessie F.
Ross, Bessie 13 .
Schultz, Sarlie J.
Sylvester, Mary
Tattrie, Mabel
Woodbury, R.C.
Archibald, Hattie N.
Baillic, Margaret A.
*Baillic, Janet

| Durrie, Mary F | 97 |
| :---: | :---: |
| Graham. Ella | 103 |
| MacBain Margaret | 67 |
| Macdin, Henrietta | 83 |
| $\mathrm{Mac}_{\text {ckinald, Essie }} \mathrm{J}$. | 102 |
| Mackay ${ }^{\text {enzie, Florence }}$ | 101 |
| *acleod atherine | 88 |
| * Mactavis Bessie M. | 81 |
| Matheson, | 88 |
| Matheson, Myrtle | 101 |
| MacQuar, Ivy | 103 |
| Mcdonalde, Jessie | 102 |
| M ${ }_{\text {ay, }}$, Catherine | 91 |
| Rurray, | 88 |
| *Re, Janje L | 103 |
| ${ }^{*} \mathrm{erdm}_{\text {mond, }} \mathrm{A}^{\text {da }}$ I | 103 |
| Suths, Annie Id. | 87 |
| Siller herland, Clir | 77 |
| Strers, Anmie F | 101 |
| ${ }^{*}$ Sumberg, John | 93 |
| Thatherland Mohnina | 103 |
| Witsom, Hilda ${ }^{\text {a }}$ Mrs. J. W. | 102 |
| , Anna | 102 |



South.


| 28 | 24 |
| :--- | :--- |
| 30 | 00 |
| 19 | 50 |
| 24 | 17 |
| 29 | 70 |
| 29 | 41 |
| 25 | 62 |
| 23 | 59 |
| 34 | 17 |
| 29 | 41 |
| 30 | 00 |
| 29 | 70 |
| 26 | 50 |
| 25 | 62 |
| 30 | 00 |
| 30 | 00 |
| 33 | 78 |
| 2990 |  |
| 29 | 41 |
| 27 | 08 |
| 30 | 00 |
| 3961 |  |
| 29 | 70 |
| 9 | 60 |
|  |  |
|  |  |
| 60 | 00 |
| 60 | 00 |
| 60 | 00 |
| 60 | 00 |
| 60 | 00 |
| 45 | 00 |
| 45 | 00 |


| Archibald, Caroline | 101 | 4412 |
| :---: | :---: | :---: |
| Archibald, Blanche | 103 | 4500 |
| Ballantyne, Jean | 103 | 4500 |
| Boutillier, Eunice | 93 | 4062 |
| Bryden, Myra | 101 | 4412 |
| Cameron, Mary M. | 103 | 4500 |
| Chisholm, Marianne | 102 | 4456 |
| Chisholm, Mary M. | 101 | 4412 |
| Crockett, Anne C | 103 | 4500 |
| Cunningham, Dolina | 101 | 4412 |
| Cunningham, Leah | 101 | 4412 |
| Dimock, Imogene | 101 | 4412 |
| Ferguson, Janie A. | 103 | 4500 |
| Fraser, Gertrude C. | 103 | 4500 |
| Grant, Ftta W. | 103 | 4500 |
| Gunn, Mary A. | 78 | 3406 |
| Jordan, Catherine | 101 | 4412 |
| Keith, Sylvia | 101 | 4412 |
| MacArthur, Annie | 101 | 4412 |
| Macdonald, Agnes | 103 | 4500 |
| Macdonald, Margaret | 103 | 4500 |
| MacDonald, Ada | 103 | 4500 |
| MacDonald, Dolena | 103 | 4500 |
| MacIntosh, Jennie | 103 | 4500 |
| MacKenzie, Christena | 103 | 4500 |
| MacKenzie, Charlotte | 102 | 4456 |
| Macleod, Isabel J. | 103 | 4500 |
| MacLellan, Elizabeth | 103 | 4500 |
| Macgillivray, Jane R. | 101 | 4412 |
| Mathesin, Jean M. | 1.00 | 4368 |
| Maxwell, Messie B. | 98 | 4280 |
| McIntosh, Miranda | 103 | 4500 |
| McIntosh, Mabel | 102 | 4456 |
| Mcikle, Margaret | 103 | 4500 |
| Patterson, Margaret | 101 | 4412 |
| Robertson, Susie | 100 | 4368 |
| Russell, Martha | 103 | 4500 |
| Smith, Isabel C. | 102 | 4156 |
| Sutherland, Lexie | 103 | 4500 |
| T'itus, Lizzie T'. | 101 | 4412 |
| Thompson, Mary A. | 103 | 4500 |
| Witson, Zella B. | 103 | 4500 |
| Walker, Jennie | 97 | 4237 |
| Wagner, Georgina | 78 | 3400 |
| Adamson, Mary | 99 | 2882 |
| Ballantyne, Esther | 10. | 3000 |
| * Ballantyne, Agnes | 78 | 3029 |
| Ballantyne, Mary | 103 | 3000 |
| Cameron, Hannah | 101 | 2941 |
| Cameron, Barbara | 78 | 271 |
| *Crockett, Luella | 34 | 1321 |
| Crnoks, Helena | 103 | 3000 |
| Fraser, Margaret C. | 103 | 3000 |
| * liraser, Alice E. | 92 | 3572 |
| *Iraser, Letitia | 103 | 4000 |
| *Fraser, Alexander R. | 103 | 4000 |
| Graham, Jane E, | 103 | 3000 |
| MacArthur, Elizabeth | 97 | 28.24 |
| Macdonald, Catherine | 102 | 2970 |
| Macdonald, Anna | 98 | 2853 |
| MacDonald, Minnie | 103 | 3000 |
| MacQuarrie, Mabel | 102 | 2970 |
| MacKenzie, Ethel A. | 79 | 2300 |
| *MacLean, Jessie A. | 91 | 3534 |
| Matheson, Maud | 103 | 3000 |
| McDonald, Margaret D. | 75 | 2184 |
| McDonald, Marcella | 101 | 2941 |


| McLean, C. Myrtle |
| :--- |
| MacKinnon, Catherine |
| MAls, Martha |
| Munsie, Jessie M. |
| Robertson, Margaret G. |
| Ross, Minnie |
| *Ross, Annie L |
| Ross, Bella J. |
| Ross, Isabella |
| Scott, Margaret |
| Sharp, Janie |
| Sutherland, Mary M. |
| Thompson, Daisy |
| *Thompson, Irene |
| Wright, Joanna |
| QUEENS. |

South.

| Richardson, R. P. | 103 | 10500 |
| :---: | :---: | :---: |
| Mullins, Jennie E. | 103 | 9000 |
| Baltzer, Mary H. | 103 | 6000 |
| Clements, Mary | 102 | 5941 |
| Farnsworth, P. W. | 103 | 6000 |
| Freeman, Nettie | 78 |  |
| Harrington, Blanche | 103 | 1400 |
| Harrington, Georgie | $\xrightarrow{25}$ | 14 60 00 |
| Smith, Sophia | 103 | 60 60 60 |
| Thompson, Lillian | 103 103 | 60 4500 |
| Benjamin, May L. | 103 | 4500 |
| Freeman, Allene | 103 | 4500 |
| Hankey, Ruth | 82 | 3581 |
| Hartlen, Ida | 103 | 4500 |
| Hiltz, Mary C. | 103 | 4500 |
| Homans, Estella | 102 | 4456 |
| Huskins, Pearl | 103 | 4500 |
| McLeod, Ethel | 2 | 450 |
| McLeod, Mabel | 103 | +5 00 |
| Osborne, Melissa | 103 | 4500 |
| O'Neil, Annie | 103 | 4500 |
| Rafuse, Gertrude | 103 | 450 |
| Ridley, Grace | 103 | 4500 |
| Spinney, Edith | 103. | 4478 |
| Wylde, Mary A. | 53 | 2058 |
| * Burgess, Annie R. | 103 | 4000 |
| Feindell, Flora | 103 | 3000 |
| Feindell, Theresa | 103 | 3000 |
| Freeman, Verta | 103 | 3000 |
| Forbes, M. G. | 103 | 3000 |
| Hagan, Matilda | 1021 | 2985 |
| Mack, Theresa | 81 | 2359 |
| Mackay, Gertrude | 1024 | 2985 |
| Lloyd, Florence | 103 |  |
| * Naugler, Emma | 75 |  |
| *Reinhardt, Mildred | ${ }^{95}$ |  |
| Smith, Henrietta | 103 |  |
| Swimm, Maude | 103 | 3000 |
| Taylor, Bessie | 10.3 | 3650 |
| Vogler, Ethel | 94 | 27.37 |

North.

## RICHMOND.

MacKay, Catharine E .
102
Stramberg, Charles W.
103
Boyd, Christina
Hennessey, Margaret
Lewis, Florence O.
103
$-94$
MacInnis, Duncan $\quad 103$
Beranger, Alvina
Boyd, Laura E.
Burke, Eva May
103

Canavan, Annie E.
Currie, Charlotte
Forbes, Jessie May
Foret, Charles J.
Gagnon, Henry L.
Grady, Alice Maud
Henderson, Mamie B.
Johnston, Mary C.
Kavanagh, Eva C.
Kemp, Hector $F$.
LeBlanc, 7. Rose
Latteemoore, Libbie F.
MacAulay, E. R.
MacKay, David 103
MacKay, John Daniel
20
MacKillop, Ewen D.
98
McKillop, A. B. B.
90
$\begin{array}{ll}\text { Mckinnon, Jolin } \\ \text { Mcheod, Chistina A. } & 50 \\ 50\end{array}$
McLeod, John R.
McLeod, Peter A.
Macneil, Margaret
Macneil, Minnie A.
Macneil, Minnie V.
Major, William
Matheson, Maude H.
Morrison, Annie
Murphy, Margaret A.

| Reid, Marian J. | 103 | 4500 | Rawlings, Adina | 103 | 4500 : |
| :---: | :---: | :---: | :---: | :---: | :---: |
| White, Elizabeth J. | 102 | 4456 | Walls, Gertrude M. | 103 | 4500 |
| ${ }^{\text {Brymer }}$, Minnie M. | 103 | 4500 | Bower, Edna G. | 103 | 3000 |
| ${ }^{\text {Burke, M }}$ Mottie M. | 103 | 3000 | Bower, Elizabeth F. | 94 | ${ }_{27} 37$ |
| Cameron Mabel H . | 85 | 2475 | Decker, Bertha C. | 102 | 2970 - |
| Cameron, Katie A. | 99 | 2882 | Doane, Estella S. | 103 | 3000. |
| Datgle, Marion | 103 | 3000 | Downie, Eula M. | 103 | $3000 \sim$ |
| ${ }^{\text {Devereatux }}$ - | 103 | 3000 | Firth, Alice W. | 101 | 2941 |
| Elicet, Al Charlotte M. | 102 | 2970 | Firth, E. Louise | 103 | 3000. |
| Etieune, Alvena E. | 103 | 3000 | Giffin, Flo. M. | 103 | 3000 |
| ${ }^{\text {feckson, Marie }} \mathrm{L}$. | 89 | 2591 | Giffin, Brenda M. | 92 | 2679 |
| Yyte, An, Annie J. | 100 | 2912 | Harding, Wilhelmina | 103 | 3000 |
| teblane, Ha | 103 | 3000 | Harris, Emily B. | 103 | 3000 |
| M ${ }^{\text {Planage, Marriet Ann }}$ | \%4 | 1572 | Kavanagh, Elinor A. | $64{ }^{1}$ | 1877 |
| $M_{\text {ck }}{ }^{\text {a chulay, }}$, Ada ${ }^{\text {a }}$. | 75 | 2184 | Matthews, Annie L. | 103 | $3000 \cdot$ |
| Mekenzie, Ada Anna | 97 | 2824 | McKay, Hattie | 103 | 3000 |
| HeLean, Jenniesa | 103 | 3000 | McKenne, Lulu | 103 | 3000 |
| Macleod, Marie $F$. | 64 | 1863 | McLean, Mary M. | 103 | 3000 |
| Macheil, Floren S . | 103 | 3000 | *Perry, Berlina E. | 93 | 3611 |
| MacNeil, Marence | 99 | 2882 | Perry, Ora E. | 99 | 2882 |
| Mor, Lina | 99 | 2882 | *Purney, Helen J. | 102 | 3961 |
| ${ }^{\text {Mortison, Ella }}$ | 94 | 2737 | Smith, Marjorie C. | 103 | 3000 |
| Murpon, Katie | 102 | 2970 | Smith, Myrtle L. | 101 | 2941 |
| Murphy, Minnie | 88 | 2562 | *Swanburg, Nellie B. | 103 | 4000 |
| Nicoll simon | 103 | 3000 | Taylor, I, illian | 103 | 3000 |
| Suthe, Evere | 94 | 2737 | Thomas, Genevieve | 103 | 3000 |
| Thiberland, Dett | 97 | 2824 | Thomas, Helen | 103 | 3000 |
| * Biscau, Peter ${ }^{\text {enel }}$ J. | 103 | 3000 | Thorburn, Marion | 103 | 3000 |
| *R ${ }^{\text {ssett, }}$, Clara P | 103 | 3000 |  |  |  |
| * Carke, Sara S | 103 | 4000 | Annerit |  |  |
| * Cameron, Hen | 89 | 3456 |  |  |  |
|  | 89 | 3456 | Goodick, J. D. |  | 4500 |
| ${ }^{*} H_{0}$ ey, Jumia B. | 102 | 3961 | McMillam, Elizabeth |  | 4500 |
| ${ }^{*}$ M ${ }^{\text {mases, Jessie } K}$ | 97 | 3767 |  |  |  |
| ${ }^{*} \mathrm{McPr} \mathrm{m}^{\text {a }}$, Rebecc | 92 | 3572 | Barrin |  |  |
| * Patterson, Murdoch | 77 | 2990 |  |  |  |
| * Sa merson, Geordoch | 100 | 3883 | Crowell, A. Brunhilda | 103 | 6000 |
| *Sutheon, Annie ${ }^{\text {a }}$, | 97 | 3767 | Doane, Edith | 103 | 6000 |
| herland, Donald a | 101 | 3922 | Doane; Jenmie | 103 | 6000 |
| , Donald A. | 97 | 3767 | Fox, A. D. | 103 | 6000 |
|  |  |  | Messenger, W. S. | 103 | 6000 |
| Hedour Annuttants. |  |  | Smith, Annie S. | 103 | 6000 |
| $M_{\text {ck }}{ }_{\text {ay }}$ gall, $\mathrm{P}_{\text {eter }}$ |  |  | Blackadar, Karl K. | 103 | 4500 |
| ay, John |  | 4500 | Brannen, Gertrude E. | 49 | 2140 |
|  |  | 4500 | Brannen, Lennie M. | 5 | 2271 |
|  |  |  | Cliristie, Katherine E. | . 1 | 2227 |
|  |  |  | Doleman, G. Harry | 103 | 4500 |
|  |  |  | Fireeman, Nellie B. | 103 | 4500 |
| HEI,BURNE |  |  | Goodwin, Genesta E. | 103 | 4500 |
| \#, g, M. K |  |  | Hogg, Garnet W. | 103 | $4500 \cdot$ |
| anje R. | 102 | 10395 | Hopkins, Bella L . | $10: 3$ | 4500 |
| pstick thel H, | 102 | 5941 | Knowles, Ina | 48 | 2096 |
| Alle ${ }^{\text {arte }}$ ' Grace | 102 | 5941 | McAlpine, F. D. H. | 103 |  |
| , 4 | 103 | 6000 | McKay, Nettie M. | 103 | 4500 |
| Ood ary | 102 | 5941 | Nickerson, Sadie B. | 103 | 4500 |
| clay, Maud I | 102 | 4456 | Nickerson, L. Isora | 922 | 4040 |
| ${ }^{\text {A }}$ die $P$ | 103 | 4500 | Nickerson, Nettie M | 103 | 4500 , |
| ${ }^{\text {thur }}$ | 103 | 4500 | Ross, Beulah B. | 103 | 4500 |
| , T. W | 103 | 4500 | Sutherland, Bessie | 103 | 4500 |
| , R1, Lillia | 100 | 4.368 | Swaine, Mysie M. | 103 | 4500 |
| Fuby ${ }^{\text {a }}$ | 102 | 44.56 | Thomas, Elvah 13. | 25 | 1091 |
| $\mathrm{k}^{\text {a }}$, ${ }^{\text {y }}$ | 103 | 4500 | Walker, Bertie E. | 103 | 4500 |
| - | 102 | $44: 6$ | Brannen, Pearl V. | 103 | 3000 |
| Nict Mar max | 88 | 3843 | * Harding, Laura M. | 79 | 3058 |
| cersony E . | 103 | 4500 | Hopkins, Eva B. | 103 | 3000 |
| Charlotte | 102 $\frac{1}{2}$ | 4478 | Knowles, Meda I. | 99 | 2882 |
|  | 102 | 4456 | I,ocke, Loutise M. | 103 | 3000 |



VICTORIA.

| Gallant, Thos. | 8.3 | $8+59$ |
| :---: | :---: | :---: |
| Hall, Henry E: | 39 | 2271 |
| Herdman, William C. | 21 | 1223 |
| McDonald, M. B. | 103 | 6000 |
| McLean, Christena O. | 30 | 1747 |
| McLeod, Bessie M. | 103 | 60) 00 |
| Anderson, M. Blanche | 93 | 4062 |
| Crocker, Nellie F. | 103 | 4500 |
| DeVoe, Mary A. | 83 | 3625 |
| Hennessey, Martla | 103 | 4500 |
| Howatson, Jessie | 96 | 4193 |
| MacAskill, Flora B. | 103 | 4500 |
| Macaulay, Jessie | 103 | 4500 |
| Macdonald, Louise | 92 | 4018 |
| MeInnis, Dan F. | 103 | 45 00 |
| MeInnis, Wm. C. | 103 | 4500 |
| MacIntosll, Annie Isabel | 91. | 3997 |
| MacKenzie, Margaret M. | 103 | 4500 |
| Macleod, Mary M. | 103 | 4500 |
| McLeod, John D. | 69 | 3013 |
| Montgomery, Sadie | 103 | 4.) 00 |
| Watson, Ella M. | 98 | 4280 |
| Betlume, Roderick O. | 35 | 1018 |
| Boyle, Cecilia M. | 103 | 3000 |
| Buchanan, Mary J. | 93 | 2708 |
| Campbell, Jean E. | 103 | 3000 |
| Campleell, Mary J. | 88 | 2562 |
| Doyle, Sarah J. | 102 | 2970 |
| *Forbes, Jessic A. | 102 | 3961 |
| Fownes, Grace McD. | 85 | 2475 |
| Fox, Frank 3 . | 103 | 3000 |
| Horton, Annie | 103 | 3000 |
| Macaulay, Katherine C. | 89 | 2591 |
| Macaulay, Marguerita C. | 103 | 3000 |
| MacAulay, Peter | 10 | 291 |
| Macaulay, James Fraser | 10:3 | (3) 910 |
| McCharles, Malcolm D. | 10.3 | 30) 101 |
| *McDonald, Hannah C. | 80 | 31 cmi |
| Macdonald, Kenneth J. | 79 | 23010 |
| *McGregor, Mary A. | 20 | 777 |
| *McInnis, Annie M. | 73 | $2 \times 34$ |
| McInnis, Jessie | 70 | 2039 |
| *McInnis, Dan H. | 79 | 3058 |
| McTennan, Hannah | 10:3 | 3000 |
| Mclennan, Margaret R. | 10:3 | 3000 |
| *Mcleod, Annie M. | 89 | 3456 |
| *McLeod, Dan A. | 98 | 3806 |


| McLeod, Belle C. | 48 |
| :--- | ---: |
| McLeod, C. Harriet | 103 |
| McLeod, Katherine | 92 |
| McNeil, John M. | 72 |
| *McRae, Annie J. | 88 |
| McRitchie, Dan J. | 103 |
| *Matheson, John R. | 22 |
| *Miller, Christena J. | 54 |
| Montgomery, Christene | 82 |
| Morrison, Annie M. | 103 |
| Morrison, Joanna B. | 102 |
| Nicholson, Dan. | 24 |
| Ross, Annabel M. | 103 |
| Sellon, Belle C. | 74 |
| Smith, Mary A., | 101 |
| "Kempt Head., |  |
| Consolidation, D. |  |
|  | 103 |


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| :--- | ---: | ---: | :--- | :--- | :--- | :--- |
|  |  |  |  |

# THE MORE IMPORTANT AMENDMENTS OF SCHOOL LAW SINCE THE CONSOLIDATION OF 1900. 

## LEGISLATION OF igoi.

## CHAPTER 37.

An Act to Amend Chapter 52, Revised Statutes, 1900, "Of Public Instructiops"
Be it enacted by the Governor, Council, and Assembly as follows:- , , if

1. Chapter 52 of the Revised Statutes, entitled, "Of Public Instruction' hereby amended as follows:-
(I) Section 71 is amended by adding at the end thereof the words followith 'Provincial Normal cases of any section the schools of which are affiliated "shall not in any year exceed twelve hundred dollars."
(2) The following section is added after section 67 :-

67a. "The time employed by the principal of the schools of any school in supervising or grading the schools, the time employed by teachers of his sth $^{\text {ta }}$ are required to assist in the grading of any of the departments, the time trust the time lost by the necessary closing of a school on account of such conditio the presence of contagious disease, shall be reckoned as authorized teaching in lieu of actual teaching on authorized teaching days according to the conditio scribed by the Council."

## LEGISLATION OF 1902.

## CHAPTER 39

An Act to Arend Chapter 52, Revised Statutes, 1900, "The Education Act."
Be it enacted by the Governor, Council, and Assembly, as follows:- Revised Statirn

1. Section twenty-one, sub-section, (1), of 'Chapter fifty-two, Revisheref'. 1900, is amended by striking out the following words in the last line the hour of eight o'clock in the evening."
2. Sub-section two of said section twenty-one (21) is amended by strind (1) the words "and another hour" in the second and third lines thereof.
 of said section the following words: "the cost of conveying children to sch

## LEGISLATION OF 1903.

## CHAPTER 4.

An Act to Amend Chapter 52, Revised Statutes, 1900, "The Education "
Be it enacted by the Governor, Council, and Assembly, as follows:-
Be enacted by the Governor, Council, and Assembly, as follows:- - Sealed,

1. Section 80, of Chapter 52 of the Revised Statutes, 1900 , is reper following substituted therefor:
all ${ }^{80}$. (1) Notwithstanding anything contained in the two preceding sections, roll sit reat and personal property assessed according to the municipal assessment to this Act within the boundaries of school sections named in the second schedule Port of sct, excepting dyke lands, shall be liable for sectional school rates for the supproperty reols in such sections without regard to the place where the owners of such
Support reside, and such property shall not be liable to sectional school rates for the
Owned by any school or schools other than those of such school sections; and property.
of country persons residing within any of the said school sections and situate within
of the country, including cities and incorporated towns within the geographical limits
it which it is outside of such section, shall be ratable for school purposes in the section (2) it is situate.
and (h) In all the school sections in the county of Halifax (except the City of Halifax
the me town of Dartmouth) all the real and personal property assessed according to
ing dyke ipal rate roll situated within the boundaries of such school sections, except-
sleb spe lands, shall be liable for sectional school rates for the support of schools in
property shall, without regard to the place where the owners of such reside, and such
Schools other not be liable to sectional school rates for the support of any school or
${ }^{\text {mithin }}$ in the limits those of such school sections; and property owned by persons residing
of thing the city of the school section and situated within the county of Halifax (in-
in the county city of Halifax and any incorporated town within the geographical limits
the section of Halifax) outside of such section, shall be ratable for school purposes (3) Betwion which it is situnte.
seographicat Been the city of Halifax and any incoporated town located within the phical limits of Halifax county the provisions of section 79 shall apply.
$A_{n}$

## CHAPTER 6, 1903.

Act to Amend Chapter 52, Revised Statutes, 1900, "The Education Act."
$\mathrm{Be}_{\mathrm{Be}}$ it enacted by the Governor, Council, and Assembly, as follows:-
thereto Sub-sedion the Governor, Council, and Assembly, as follows:-
Section the follow section eleven of the Education Act is amended by adding
ection.," following words, 'and also any existing school section or part of a school
mine". Section fourteen of said Act is amended by inserting after the word "deter-
inspectin, the second line thereof the words, "subject to the recommendation of the vord is Sub
Aft 'al teration'" two of section sixteen of said Act is amended by striking out the after "the Sub-section in the second line thereof.
are the word wection three of section twent $y$-eight of said Act is amended by inserting
Tatespaye thand 'ratepayers" in the second line thereof, the words, "or in case there payers." ${ }^{0}{ }^{0} 4 \mathrm{~b}$, the he Sub-section two of section thirty-seven of said Act is amended by striking
rate " ${ }^{\text {biting the }}$, as soon as practicable," in the first and second lines thereof, and
"not Section words, 'if necessary, or if required by the inspector," in lieu thereof.
ther ${ }^{7}$ exceeding five-three of said Act is anended by striking out the words "at a effor: Section sevee per cent,"' in lines five and six thereof.
seventy-two of said Act is repealed and the following substituted
requit the a the cletk of the municipality of every county or district shall annually
habit and such required for county purposes, but distinct from all other amounts
Whit ant ad probable purposes, a sum sufficient, after deducting the estimated cost of col-
the (2) The incorporation territorially formed a part of such county or district.
$V_{i s i o n t h}$ merpe said sumion territorially formed a part of such county or district.
therets of Thed towns in the same paroportions as the county fue municipality and
taxes. Tespectivown's Incorporation proportions as the county fund, under the pro-

- ©on (3) (ively, and shall be collected in the same manner as other rates and treporated Notwith
${ }^{\text {terfitanding }}$ the provisions of any statute of Nova Scotia, every iny the shall annually, on or before the thirtieth day of June, pay to the ormed part, its of the county or district of which it before incorporation part, its proportionate part of the said sum.
(4) The sum so raised by the municipality and incorporated towns shall paid out annually for the support of schools by the treasurer of the municipality up the order of the Snperintendent, and shall be called the Municipal School Fund.

8. Section ninety-nine of said Act is amended by inserting after the word "sectios" in the sixth line thereof the words, "or in case of their refusal, the inspector."

## CHAPTER 22. 1903.

## An Act Relating to the Consolidation of School Sections.

Be it enacted by the Governor, Council, and Assembly, as follows:-

1. The Council of Public Instruction is authorized to expend a sum not ex thirty-six thousand dollars for the purpose of assisting in consolidating school sed tion and the schools therein, and in arranging for the converyance of pupils to and such consolidated schools.
2. Such sum shall be expended in accordance with regulation to be made by the Council, and shall be paid out of the Provincial Treasury upon the order of the Ser of the Councii.
3. A copy of all regulations made under the provisions of this Act shall be fith before the House of Assembly and Legislative Council within the first ten days of next session of the Legislature after the regulations are made.

## CHAPTER 24. 1903.

An Act for the Encouragement of Rural School Libraries.
Be it enacted by the Governor, Council, and Assembly, as follows:-

1. The Council of Public Instruction may pay antually out of the Pro Treasury to any teacher acting as the librarian of the school library of the scho the sum of five or ten dollars, according as the equipment of the sclool, the athat and use of the library, and the general management of the school and library, fiford the standards prescribed by regulations of the council for the smaller or large grant respectively.
2. Nothing in this Act shall apply to the schools in any incorporated town of any school section employing a Class a teacher drawing a superior sehool gratit teacher drawing an Agricultural or Manual Training grant.

## LEGISLATION OF 1903-4.

CHAPTER 8.
An Act to Amend Chapter 52, Revised Statutes, 1900 , "The Education Act." (Passed the 3rd day of Mareli, A. D. 1001.)
Be it enacted by the Governor, Council, and Assembly, as follows:- anction $^{21}$ th
2. Section 5 of said Act is amended by adding thereto as sub-section following:
" On the recommendation of an inspector", supported by evidence, of any two or more sections or parts of sections will effect a saving in the ant be paid out of the municipal school fund and the provincial aid grant, notwithstanding any provision of the Education Act, make regulations for out of the said muncipal and provincial orant such amounts as in the opi inspector are necessary to maintain the said mion by aiding the conve give a beyond a distance of $t$ wo miles from the school house, provided the respectiv so required are less than the respective amonnts which would otherwise from the same sources."
3. Section 42 of said Act is amended by striking out the words sections" after the word "pupils" in the third line of said section, and therefor the words "whose parents or guardians reside outside the section"
furt ${ }^{\text {4. Section }} 72$ of the said Act as amended by chapter 6 of the Acts of 1903, is
(5) amended by adding thereto the following sub-section:
school The council of any municipality may, by resolution, increase the municipal
of the last to any amount not exceeding sixty cents for every inhabitant according
of every incosus of the municipality and incorporated towns, provided that the council
such concurcorporated town affected by the increase concurs in such resolution, or if
y the municice cannot be obtained, that the Governor-in-Council upon application 5. Municipality concurs in such proposed increase.
${ }^{\text {Loll }}{ }^{5}$. Sing . Section 78 of said Education Act is amended by the addition thereto of the 'S'ing as sub-section 3:
ith the dections maintaining an ungraded school with one teacher shall not participate
by the enrolledion of the said municipal school fund in regard to days' attendance made
Which an alled pupils for a greater number of days than eight thousand, except in cases line, ${ }^{6}$. Section 76 ant teacher is employed by the trustees."
"e, for the Section 76, sub-section 1, of said Act, is amended by substituting in third the words "one-third" the words 'one-half."

## CHAPTER 9. 1903-4. <br> $\mathrm{Act}^{\mathrm{A}}$ <br> Amend Chapter 52, Revised Statutes, 1900, "The Education Act."

## (Passed the 3rd day of March, A. D., 1904.)

Be it enacted by the Governor, Council, and Assembly, as follows:--
Edqeation That the second schedule to Chapter 52 of the Revised Statutes, 1900, the mouation Act, is amended by adding at the end of the paragraph referring to Yaring Dublin: 'Stanbourne, at the end of the paragraph referring to Lunenburg and ferring ${ }^{\text {ing }}$ : 'Stanbourne, 38 ; East Dublin, 100 "'; at the end of the paragraph referrPigng to gs: 'Islands, 75; West Black Rock, 86 '"; at the end of the paragraph reFill, 51 , "Rivertand: ' 'Warren, 39 "; at the end of the paragraph referring to South 2 "; at then, 9 "; at the end of the paragraph relerring to North Pictou: "Scotch thereto Section end of the paragraph referring to Richmond: "Sea View, 19."
'The following Chapter 80 of said Revised Statutes, is amended by adding int "The Collowing clause:
by petitiontd to of Public Instruction may, upon the recommendation of the SuperPetition of a majority second schedule the name of any school section which applies "f a majority of its ratepayers to be added thercto."

take When (Reg. passed by C. P. I. 8th April, 1905.)<br>effect on theol section is placed on the Second Scitcdule by the C. P. I., the law ect the first day of the next school year following.

# LEGISLATION OF 1905. 

CHAPTER 19.
Act to Amend Chapter 52 , Revised Statutes, $1900, ~ " T h e ~ E d u c a t i o n ~ A c t . " ~$ is ${ }^{B} \mathrm{Be}^{\text {it }}$ enacted (Passed the 7th day of April, A. D., 1905.)
is a enacted by the Governor, Council, and Assembly, as follows:--
he tweled by striking out the of the Revised Statutu, 19oo, "The Education Act,"
 dolphoysh Section 2 of section therent the words "Inspector of Schorls."
"p to the ecordin line three thercof the watds is amended by inserting after the word to the cording to the recommendation of the Inspector for eachech school garden kept homever Seationd of form and efficiency of the Inspector for each, school garden kept rate erer, that the 85 of said Act is amendescribed lyy the Council."
${ }^{4} \mathrm{pon}^{\circ}$ the exemption allowed by this section shall not apply in cases where the the real estate and there is a male relative not apply in cases where the
perty, of the age of twenty-one years, residing with the widow, unmarried womal wife, upon the property so assessed."
4. Section 93 of said Act is amended by adding thereto the words, "And amplaic so rated in respect to real property shall constitute a lien upon such property, may be enforced under the provisions of the Assessment Act." 109 the folloripl
5. Said Chapter is amended by adding thereto after sect section:

109A. (1) Subject to the authority of the trustees, the teachers shall hare general oversight over the school premises during school hours, and may exclude there from all persons who disturb or attempt to disturb, the school work.
(2) Every person who in or upon any school premises and in the presen a pupil or pupils attending such school, uses profane, threatening, abusive or air of per language towards the teacher, or speaks or acts in such a wable to a pendy not less than five dollars nor more than twenty dollars, and in default of payb to imprisonment for a period not exceeding thirty days.

## CHAPTER 20. 1905.

An Act to Amend Chapter 54, Revised Statutes, 1900, entitled, "Of the Edutctici of the Blind."
(Passed the 7 th day of April, A. D., 1905.)
Be it enacted by the Governor, Council, and Assembly, as follows:-

1. Section 3 of Chapter 54 of the Revised Statutes of Nova. Scotia, 1900 is by striking out the words "seventy-five" in the seventh line thereof, and in place of said words, the word "ninety," and by striking out the words "sam of pipe in the ninth line thereof, and inserting in place of said words, the words ' dollars."
2. Section 4 of said Chapter is amended by striking out the words "sevents" five in the twelfth line thereof, and inserting in place of said words, the word "ninety.

An Act to Amend Chapter 131, Revised Statutes, r900, entitled, "Of Libraty

## CHAPTER 45. 1905.

An Act to Amend tions and Institutes."
(Passed the 7th day of April, A. D., 1905.)
Be it enacted by the Governor, Council, and Assembly, as follows:--

1. The following sections are hereby added to Chapter 1.31 of the Revised of 1900 , entitled "Of Tibrary Associations and Institutes."
2. Any Town Comeil of an Incorporated 'Jown, and any Muncipal Conve any Municipality, may vote and appropriate an annual sun, not exceeding flye pry fivd dred Dollars per year, towards the support, purchase of books or ot her ibrary is tate of any Library Association, incorporated under this Act, and whose Libry is somp the bounds of the county wherein said incorporated Town or Municipa for the to ${ }^{\text {te }}{ }^{9}$ 省 Such sum when voted shall be included in the annual appropriations for the pat at Municipality for the year, and shall be assassed and collected with other taxes required to be assessed for lowns or Minnicipal purposes.
3. All property, real and personal, of any Iibrary Association inc por fat under this Act, shall be exempt from taxation for Town, School, Road, Poor, Municipal, Civic, Provincial or other purposes.

## LEGISLATION OF 1906.

## CHAPTER 5.

An Act to Amend Chapter 52, Revised Statutes, 1900,
Be it enacted by the Governor, Council, and Assembly, as follows:-" " 18 by adding thereto, after Section 6 , the following section:

## Advisory Board of Education.

as ' 'The (1) There shall be a Board consisting of seven persons, which shall be known
this section. (2)
in teaching Two members of the Board shall be elected by the licensed teachers engaged
$\mathrm{t}_{\mathrm{n}}$ and sha the public schools in attendance at the Provincial Educational Associa
members of the licensed teachers actually engaged in teaching in Nova Scotia; five
ts to (3) The dutid Board shall be appointed by the Governor-in-Council.
s to the The duties of said Board shall be to advise the Council and the Superintendent
(a) Text owing matters:
(b) Text books and apparatus for use in the schools, books for school libraries.
(c) Qualification and examination of teachers.

County Courses of study for the public schools and the standard for admission to
(d) Academies and high schools.

Academies The classification, organization and discipline of the Normal School, County
(e) Such the public schools.
of the Super i other educational matters as may from time to time be referred to them for (4) Memendent or the Council.
or reelectionbers of the Board shall hold office for two years, but shall be eligible $i_{\text {gs }}$ (5) The B reappointment.

Four Board may make regulations for the time, place and conduct of its meet-
(B) The mbers of the Board shall constitute a quorum.
of ate will ind embers of the Board shall receive from the Provincial Treasury such
attendance indemnify them for any expense incurred by them respectively by reason at the meting of the Board.

## $A_{1}$

CHAPTER 6. 1906.
${ }^{B} \mathrm{Be}$ it enacted by the Governor, Council, and Assembly, as follows:-
is repealed Section 68 of Chapter 52 of the Revised Statutes, 1900, "The Education Act," ing 88 . F and the following substituted therefor:
fol lo to F very legally qualified teacher employed in a public school conducted accord-
bearing shall be entitled to receive annually from the Provincial Treasury, the
be to to sums, or such proportion thereof as the number of days taught by such teacher
Paid in prescribed umber of teaching days in the school year. Said sum shall


$$
\text { For }_{1}
$$

"r class D, in any public school

" "B, " " " .............................................................................. 12000
" "A, in a superior common school of prescribed status................ 15000

2. A, when principal of the high school of prescribed status in a

This Act station laving at least three departments................... 21000
${ }^{A_{D}} \mathrm{Act}$
CHAPTER 7. 1906.
Be it to Amend Chapter 52, Revised Statutes, 1900, "The Education Act." by addichacted by the Governor, Council, and Assembly, as follows:-
Give 125 . thereto the the Revised Statutes, 1900, "The Education Act", is amended be years Thereto the following sections:
of entity or whirs who have taught in the Public Schools of Nova Scotia for thirtytheir to retire with an the the age of sixty years after thirty years of service, shall
than pective with an annuity equal to the Provincial Aid granted to teachers ${ }^{r a p a}{ }^{260} 150.00$ classes of license, provided, however, that no teacher shall receive at ed teachers who, annam under the provisions of this section.
from any who, after twenty years' service, become totally disabled or inany cause may, on satisfactory proof of such total disability or in-
capacity, retire so long as the total disability or incapacity exists, and shall be entited to receive the annuity mentioned in the next. preceding scetion.
127. School Boards, Municipal Councils, and Trustees are hereby empowerd by to supplement such annuities under pension or superannuation systems approved dide the Council or regulations approved by the Council, and may also similarly pro be bet for other teachers or educational officers employed by them who may not ficiaries under the next two preceding sections.
2. Moneys payable under the provisions of this Act shall not be transferable shall not be liable to be taken by legal process to satisfy any debt or judgment.
3. The Council may, from time to time, make regulations for carrying into Education.
4. This Act shall come into force upon the first day of September, A. D. ${ }^{90100^{6}}$

## CHAPTER 8. 1906.

An Act to Amend Chapter 52, Revised Statutes, 1900, "The Education Act."
Be it enacted by the Governor, Conncil, and Assembly, as follows:-

1. Sub-section 2, of Section 16, of Chapter 52 of the Revised Statutes, "The Education Act," is repealed and the following substituted therefor.
"Notice of the next annual school meeting after any such alteration,* sub-did mid or union, or of a special annual school meeting, if the date of the regular annual ing is past or inconvenient, shall be given by the Inspector; and such meetin elect a board of three trustees and transact all the other business of the regular ${ }^{2}$. school meeting for the ensuing school year, for the new section or sections.
2. Sub-section 1, of Section 24, of said Act is amended by striking out the for, if "up to the close of the school year, which ended on the thirty-first of July " the eighth line thereof.
 riculture" in the second line thereof and substituting therefor the words "rural course in affiliation with the Provincial Normal School."
3. Clause (g) of Section 77,
4. Clause (g) of Section 77, of said Act is amended by adding thereto the "and pensions.'
(2) If in any of said Act is amended by adding thereto the following sub-sec the sup ${ }^{\text {pon }}$
 of a school is made by the ratepayers or by the trustees under the foregoing of the of this section, before the first day of October in any year, the committee the
 year, and shall notify the Inspector of the fixing of such sum. 1 who shall ${ }^{\text {det }}$
(3) The Inspector shall certify the sum to the Municipal Clerk, who the said sum so fixed upon the section in the same manner as if it had been all pep fall school purposes at a regular seliool meeting called for the purpose, and collectors ${ }^{5}$, wh a collectors' foll for the collection of the sanle. The regular municipal collech for
 same remuneration as in the case of other municipal rates and taxes, and shat one the same to the Municipal Treasurer.
(4) The anount so collected shall be paid on the order of the inspect
 the word "forty", in thesection 1 of said Act is hereby amended by swe", and didith the word "forty" in the third line of clanse (b) the words "thirty-five the
third line of clause (c) for the word "eighty" the word "Seventy", and in the

5. Section sixty-seven A, added to chapter iz of the Revised btadding "The Eiducation Act", hy Chapter 37 of the Acts of 1901 , is amended by a the the word "sehools" at the cond of the first line of said section sixty-seven "or the supervisor of the selools."
6. Section forty-two of said." Act is amended by adding thereto the follo ${ }^{\text {ind }}$ sub-section:
(1) The School Board of the City of Halifax may by by-taw to be ap ${ }^{\text {ap }}$ by the Council of Public Instruction, fix a fee for the tuition of the chil *''Alteration' is proposed to be struck out by an amendmeme.
lature, March 1909.-See Legislation of 1909 towards end of volume.
** Amended. See Legislation 1909.

# EDUCATIONAL LEGISLATION, 1907. 

## NOVA SCOTIA TECHNICAL COLLEGE.

CHAPTER I, 1907.

An Act Relating to Technical Education.<br>Be it enacted by the Governor, Council, and Assembly, as follows:-<br>This Act may be cited as "The Technical Education Act."

## Director of Technical Education.

${ }^{\text {Micala }}{ }^{2}$ Ed (1) The Governor-in-Council may appoint a person to be Director of Tech - Paid such salary who shall be an officer of the Council of Public Instruction and shall $D_{i f e}{ }^{(2)}$ The ${ }^{2}$ ) (and receive such allowances) as the Governor-in-Council determines. shafl dor, providencil of Public Instruction shall, upon the recommendation of the

3 the their the Director with such assistants as may be found necessary, and
(a) The duties of duties and fix the salaries they shall receive.

Schools To exercise the Director of Technical Education shall be as follows:-
(b) establishede general supervision over the conduct and management of all
minimg To report or carried on undre the provisions of this Act;
othe (c) and indurt and advise the Council as to all matters relating to engineering,
(d) schools promote the establishment and efficiency of local technical schools and in the $T_{0}$ repler his supervision;
Wision, province, and annually to the Legislature on the state of technical education Support with detailed as to the condition and efficiency of the schools under his super$\mathrm{Pres}^{\text {(et }}$ (e) of the sailed accounts of the expenditure of the moneys appropriated for the Prescribes, Such other ;
and T. Th Kind ad Thine Governor-in-Council, on behalf of the province, may accept, take, hold

Which may any gifts bequests or devises of real or personal property of every may be made for the furtherance of any of the objects of this Act

## Technical, College.

minacilities for shall be established at Halifax an institution for the purpose of affordmechan scientific research and instruction and professional training in civil,
$\theta^{\text {b }}$ dents whical, chemical, metallurgical and electrical engineering or any other io The which may from time to time be added
provid 00,000 Governon shall be called the Nova Scotia Technical College.
of ${ }^{\text {priding }}, 00$, and tor-in-Council is hereby authorized to borrow a sum not exceed-
aid insdequate to expend the same in securing a site, erecting a building and in regulatio The cition.
stay amend it deems Public Instruction may from time to time make such rules and ${ }^{s t i t u t i o n d}$ The repeal the repedient for the efficient conduct of the said institution, and pring lipan The
the Purppoint cil of Public Instruction slall, upon the recommendation of the of prof (1) the of cossors, The which the institution is established.
Scotingil and members of the teaching staff of the institution having the rank 3 Technical select shall College.
(2) The said corporation shall have power to grant such degrees as it may de termine, to prescribe the several qualifications therefor, the course of study to ${ }^{0}$ pursued in the several departments, and in respect to all matters of discipline and matters connected with the educational work of the institution shall have the con thereof.
(3) In the event of any part or parts of the course of study prescribed for ther said institution for the first and second years being included in the educational th done in the universities recognized by the Council in this province or elsewhere ${ }^{\text {d }}$ d $d$ Council of Public Instruction shall exclude such part or parts from the course of $s^{\text {th }}$ of the said institution.
(4) The principal shall report from time to time the proceedings of the cor ${ }^{0}$ or tion to the Council of Public Instruction, and the Council may modify or reverse action or ruling taken or made by the corporation. . .
12. The annual expenditure incurred in connection with the institution be defrayed out of the provincial treasury.

## Local, Thehnicil Schools.

13. The Governor-in-Council may from time to time establislt, in such pla as it may be deemed advisable, local technical schools to furnish industrial educ the of such character and extent as will most effectively meet the requirements population and industries of the locality.

11 . No such local technical school shall be established until the necessity
 afforded and the advantages to be derived have been reported upon by the Dire shol. of Technical Education, and he has recommended the establishment of such ${ }^{15}$ (1) The Council of Pablic Insur
15. (1) The Council of Public Instruction may make such rules and rebol. as they deem advisable for the support, conduct and management of the so of $5 c^{\circ}{ }^{0}$ Commissioners of the place in which the school is established, or a committee the tect or any other person or persons with the Director in the management of any nical school.
16. The Council of Public Instruction shall, upon the recommendation of gut Director appoint such instructors as may be required for the carrying on o schools and shall fix their salaries. establishment and maintenance of the local technical schools shall be paid provincial treasury.

## Schools for Miners

18. The sehools of instruction for miners established under the prov Min ${ }^{2}$ chapter 22 of the Revised Statutes, 1900, "Of Schools of Instruction for are hereby continued and hereafter the establishment and maintenance of suc shall be under the direction of the Council of Public Instruction.
19. Such schools shall be for the purpose of instructing persons who
 of obtaining certificates of competency as underground managers or overnen, act, tionary engineers, under the provisions of "The Coal Mines' Regulation" piret ${ }^{0 /}$ amendments thereto.
20. All such schools shall be under the supervision and control of the pire of Teclinical Education.
shall be appointed by the Counci Public Instruction upon the recommendation of the Director.
(2) Such instructors shall be paid such salaries as the Council determ didate
21. No teacher in any such school shall take from any intending cand ${ }^{\text {and }}$, fee for the instruction given by him; provided, however, that this provision apply in the case of any person desiring instruction but not contemplating ex at for a certificate.
22. No fee shall be charged by the board of examiners to candidates been prepared at any school established or continued under the authority of the of and
23. All expenditure necessary for the establishment and naintenane fue tight for schools, including buildings, rent, apparatus, instruments, instruction, the incidental expenses shall be defrayed out of the provincial treasury of the Director of Technical Education.
24. The Council of Public Instruction may from time to time make such sad tions as are necessary or expedient for the conduct and management of gald for and may amend or repeal the same.
25. Chapter 22 of the Revised Statutes, 1900, "Of Schools of Inst' Miners' is repealed.

## LEGISLATION, 1907.

## CHAPTER 38.

## Ah

Act to Amend Chapter 52, Revised Statutes, 1900, "The Education Act." ${ }^{\mathrm{Be}_{\mathrm{e}}}$ it enacted by the Governor, Council, and Assembly, as follows:-
1900 , 'The-section one of section twenty-three of chapter S' of the Revised Statutes,
the "Oord " Education Act," is amended by inserting the word "resident" before 2. Sub-se-payers" in the first line.
"resident" Sub-section two of said section twenty-three is amended by inserting the word "of, ${ }^{3}$ in Subefore the word "ratepayers" in the second line.
in the fifth line one of section twenty-four is amended by striking out the word
line ${ }^{4}$. Sub-sectine and inserting in the place thereof the words "residing in,"
the words section (b) of section fifty-five is amended by striking out of the third 5. Words 'or unlicensed" with the brackets enclosing the same.
(gg) Section seventy-seven is amended by adding the following sul)-section (gg):-
minations Any necessary expense for the periodical dental and general medical Ed ${ }^{6}$. Section the pupils attending school."
and thion Act", ninety-nine of chapter fifty-two of the Revised Statutes, 1900, "The
the following and all Acts and parts of Acts in amendment thereof, are repealed Dort *99. (1) If in stituted therefor:-
of a s free public, in any school section where sectional assessment is required to supvision School por the school, no provision is made at the annual meeting for the support
and made at saidensuing year, or if no annual meeting has been held, or if the pro-
$\mathrm{D}_{\text {istrig }}$ oned beford annual meeting proves to be insufficient to have a school provided
$n_{\text {otifice }}$ Board
retised by the appointed under section thirteen of the Education Act shall, when
$\mathrm{in}^{2}$ sons, appoint Inspector that ans. section is without a school for any of the above
section seol opoint not more than three trustees in the said section interested in the keep-
in thon with all and they shall thereupon be and become the trustees of the said sehool
the the place of the power and authorities vested in trustees under the Education Act
emainder of trustees, if any, elected by the ratepayers, whose duties will, during
the (2) The of said school year, be suspended.
of the of money trustees or trustee so appointed shall, forthwith estimate and name
and we current yey which they deem sufficient for the suport of a school for the remainder
by then so year, and shall submit their estimate to said committee for its approval,
he said copproved of, the amount thereof shall be communicated to the Inspector $d_{\text {esirat }} \mathrm{P}_{\text {rovided }}^{\text {sanmittee in writing. }}$
the It able truste however, that if the committee of the District Board is unable to secure in this sector shat trustee, they shall notify the Inspector of that fact, in which case ${ }^{\text {demens }}$ section shall have all the powers of trustees for the sehool section as provided
year, sufficient and shall forthwith estimate and name the sum of money which he
Vided and shent for the support of a school for the remainder of the current school
mittee in which apit his estimate to the said committee for its approyal as above pro$l_{\text {levy }}{ }^{(3)}{ }^{\text {in }}$ Writing. ${ }^{\text {Th }}$ approval shall be commmicated to the Inspector by the said Com${ }^{\text {let }}$ y $y$ the The In
lor sche said sumpector shall certify the said sum to the mumicipal clerk who shall shafl a coll purposes at a and collecters's roll for regular school meeting called for the purpose, and shall preshafl for the such roll for the collection of the same. The regular municipal collectors retur same remund taxes in the same manner and with the same remedies the ${ }^{4}$. The the same to then as in the case of other municipal rates and taxes and 7 cesser amount so the municipal treasurer.
chapter Sectionpenses for thected sliall be paid on the order of the Inspector to meet ding ther fiftyon one of ehapter support of a public school in the said section.

128 teto two, Refisedapter seven of the Acts of 1906, entitled an Act to amend to ${ }^{128}$ "to "the following Statutes, 1900, "The Education Act," is amended by adof enter "Sluch following section:-

- anto any agreements, municipal councils and trustees are hereby empowered
* uities under sucnt with any annuity company to undertake the payment
$1900^{*}$. Section under such agreements as may be approved by the Council.
Section 99 is proposed to be amended by a bill no
See Legislation of 1009 towards end of volume.


## LEGISLATION, 1908.

## CHAPTER 13.

An Act to Amend Chapter 52, Revised Statutes, 1900, "The Education Act." (Passed the 16 th day of April, A. D., 1908.)
Be it enacted by the Governor, Council, and Assembly, as follows: " ${ }^{\prime \prime}$ " ${ }^{\circ}$ 1. Chapter $5^{2}$ of the Revised Statutes, r900, "The Education Act, amended by adding thereto, after section 71 , the following section:-

71 A. (r) Every poor section determined under the provisions of setiol 14 of this Act, and the amendments thereto, whioh (a) is isolated amendente impossible
into another school section or other school sections,
(b) is rated for sectional school rates on proper of not more than $\$ 3,000$, than two per cent, on the property ratable for sectional school be known as a special poor section.
2 There may from time to time be paid to any special poor section ond ${ }^{2}$ the Provincial Treasury, upon the recommendation of the Inspectition to by extra aid provided for poor sections by this chapter as may be recomme the Inspector; provided, however, that in no case shall the said grant of of rates, the amount voted and collected by the section as sectional school rate any case the sum of $\$ 60$.

## COMPLETE LIST OF SCHOOL SECTIONS NAMED IN SECOND SCHEDULE.

Inspectorial Division, No. 1 All sections in the Municipal District of Halifax.

Inspectorial Division, No. 2.

## LUNENBURG AUD NEW DUBLIN



| No. 40 | . Meisner's. |
| :---: | :---: |
| No. 44. | . Oakhill. |
| No. 57. | Lr. Second Peninsula. |
| No. 60 | Clearland. |
| No. 80 | . Hebb's Mills. |
| No. 86 | Wileville. |
| No. 97. | . Pine Grove. |
| No. 100 | . East Dublin. |
| No. 107. | . Upper Woodstock. |
| No. 109. | . Rosebud. |
| No. 111. | .Lr. Woodstock. |

## SOUTH QUEENS.

No. 9............ . . Milton.
Inspectorial Division, No. 3.


| No. | 45 | Sheffield Mills, | No. |  | pper Gaspereaux. West Black Rock. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| No. | 49 | N. Scott's Bay. | No. | 88 | Pleasant View. |
| No. | 50 | . Scott's Bay Road. | No. | 91 | White Rock. |
| No. | 52 | . Upper Pereaux. | No. | 92 | Rockland. |
| No. | 54 | Habitant. | No. | 96 | South Tremont. |
| No. | 56 | Woodside. | No. | 99 | Highbury. |
| No. | 60 | Town Plot. | No. | 102 | Kingsport. |
| No. | 64 | New Minas. | No. | 104 | Garland. |
| No. | 73 | Avonport. Islands. | No. | 109 | West Brooky |
| No. No. | 75 77 | Islands. | No. | 110. | . South Water |
|  |  | HANTS, WHST |  |  | S, EAST |
| No. | 2. | Wentworth. | No. <br> No. | 14. | West Gore. <br> East Indian Road. |
| No. | 11. | Mt. Denson. | No. | 27. | Urbania. |
| No. | 14. | Belmont. | No. | 31 | Upper Selma |
| No. | 15. | Poplar Grove. | No. | 33 | Noel Shore. |
| No. | 17. | Kennetcook Dyke. | No. | 37. | Moose Brook $\mathrm{Chur}^{\text {ch }}$ |
| No. | 19 | Summerville. | No. | 42 | Kennetcook |
| No. | 20 | Cheverie. | No. | 50 | Gore. |
| No. | 23 | Pembroke. |  |  |  |
| No. | 25 | Cogmagun. |  |  |  |
| No. | 35 | St. Croix. |  |  |  |
| No. | 38 | . Ellershouse. |  |  |  |
| No. | 39 | 24 Walton. |  |  |  |
| No. | 45 | . Mills. |  |  |  |

Inspectorial. Division, No. 6 .

## ANTIGONISH.



Inspletoridl Division, No. 7.
RICHMOND.

| No. | 11. | D'Escousse. | No. | $\begin{aligned} & 21 \\ & 32 \end{aligned}$ | Basin. Sea View. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| No. | 18 | Grandique Ferry. |  |  |  |
| No. | 19 | Louisdale. |  |  |  |

Inspectorial, Division. No. 8.
NORTH INVERNESS.
No. 58........ Whycocomagl.
VICTORIA.
No. 1......... Baddeck.
No. $48 \ldots .$. . Sonth Gut.
Inspectorlai, Division, No. 9.

## PICTOU, SOUTH.

| No. |  | White Hall. |
| :---: | :---: | :---: |
| No. | 5 | Marshdale. |
| No. | 9. | Rivert |
| No | 10. | Fox Brook. |
| No. | 14. | .Springville. |
| No. | 15. | . Bridge ville. |
| No. | 16. | Glencoe. |
| No. | 17. | . Sunny Brae |
| No. |  | Blanchar |

Inseectorial Division, No. 10.

| ${ }_{0}$ | CUMBFRRIAND. | No. 117 | Springhill Junction.. |
| :---: | :---: | :---: | :---: |
| Ni, 24. |  | No. 119. | Valley Road. |
| *10, 27. | . Upper Pagwash. | No 123 | Soutli Pugwash. |
| (i) ${ }^{29}$. | $\cdots$ Voslin. |  | PARRSBORO. |
| 新 ${ }^{45}$ | - Warren. |  |  |
| N0. 62 | - Macean. | No. 3. | New Prospect. |
|  | . East Mapleton. | No. | Green Hill. |
| Fis. ${ }^{81}$. | . Wyndham Hill. | No. 5 , | Black Rock. |
| 10. 90 | $\cdots$ River Philip. | No. ${ }^{6}$ | Cross Roads. |
| $\chi_{0}^{0} 107$ | $\cdots$. Fakmington. | No. 14. | Advocate. I akelands. |
|  | - Clifton. | No. 20. | Sugar Hill. |

Inspretorlal, Division, No. 11.


No. 72......... Big Lorraine.
Ho. 74......... West Louisburg.

Inspectorial, Division, No. 12.
COLCHESTER, SOUTH, COLCHESTER, WESTI.

provision of the law under which the Council of Public Instruction may fix for of given section an earlier date for its annual school meeting than the last Monday Jnne. If any such cases exist, it is very desirable that these early annual meetin be held on the same day. The first Monday in March is selected as likely to be ${ }^{\text {th }}$ most generally convenient date.

Sections feeling the necessity of an early date for the annual school me the should, through their trustees, make an application to the Council through Inspector before the end of January, so that the Inspector may be able to tha cotid all such applications with recommendations or comments thereon, to action it in probable of Public Instruction on the first day of February, when it is probabs on the ${ }^{\text {w }}$ be taken and due notice given in time for the holding of the meetings on Monday of March.

The suggestion, it is hoped, will enable cases of this kind to be artang easily and without the delay otherwise necessary.

The following list of school sections includes those given in No. 42 of the $\mathrm{Cl}^{0} 10{ }^{0}$ ments and Regulations of the Council of Public Instruction, "Manual of $\$ c^{100}$ Law Nova Scotia, 1901," pages 68 to 71, whose regular annual meeting ${ }^{\prime}{ }^{\prime}{ }^{\text {id }}$ changed by the Council on the 11 th September, 1903 , from the last Mond March to the first Monday in March of each year.

## COMPLETE LIST OF SECTIONS.

whose regular annual meetings have been fixed by the C. P. I., to be held $0^{n^{n}}$ first Monday in March of each year.

## Inspectorial Division, No. 1.

HALIFAX. WEST.

| No. | 1. . . . . . . Hubbard's Cove. |
| :---: | :---: |
| No. | 6.... . . . Head Harbor. |
| No. | 9.... . . . Glen Margaret. |
| No. | 11....... Indian Harbor. |
| No. | 13....... West Dover. |
| No. | 25.... . . . Sambro. |
| No. | 28. . . . . . . Ketch Harbor. |
| No. | $29 . . . . . . .$. Portuguese. |
| No. | 67...... . Seaforth. |
| No. | 68. . . . . . . West Chezzetcook. |
| No. | 69.... . . . Grand Desert. |
| No. | 70.... . . . Head Chezzetcook. |
| No. | 71....... Hope Ridge. |
| No. | 72.......Ir. F. Chezzetcook |
| No. | 73....... West Petpeswick. |
| No. | 75. . . . . . . Bayer's. |
| No. | 76.... . . . East Petpeswick. |
| No. | $77 . . . . .$. Steven's. |
| No. | $78 . . . . . . .$. Bowser's. |
| No. | $79 . . . . .$. . Pleasant Point. |
| No. | 80........ West Yeddore. |
| No. | 81. . . . . . . Head Jeddore. |

HALIFAX, EAST.

Inspectorlal, Division, No.2.

LUNENBURGAND NEW DUBI, IN.

| No. | 3. | 2nd Peninsula, Epr |
| :---: | :---: | :---: |
| No. | 34 | Upper Centre. |
| No. | 4. | Garden lots. |
| No. | 5. | - Blue Rocks. |
| No. | 6. | . Black Rocks. |
| No. | 7. | . Heckman's Island. |
| No. | 8. | . 1 st South. |
| No. | 9. | . Midale Sotith. |
| zo. | 10. | - Feltzen South. |
| No. | 11 | - Upper Rose Bay. |


| No. | 15 | Ritcey's Cove. |
| :---: | :---: | :---: |
| No. | 16 | Iower Creek. |
| No. | 17. | Parks Ia Haver |
| No. | 18. | Midde ${ }^{\text {a }}$ Watw ${ }^{\text {w }}$ |
| No. | 19 | St. Mars ide. |
| No. | 20 | Su |
| No. | 21 | Snyth We ${ }^{\text {st. }}$ |
| No. | 92 | Nortbourg. |
| No. | 23 | Mader's Cove |
| No. | 25 | Mader [3ay |
| No. | 26 | Mathand. |
| No. | 27 |  |


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No. 101 . . . . . . . Herman's Island.
No. 103.........Corkum's Island.
No. $105 . . .$.

## CHESTER.

| No. | 2 | Chester. |
| :---: | :---: | :---: |
| No. | 3 | Marriott's Cove. |
| No. | 15. | Gold River N. |
| No. | 151 | Gold River S. |
| No. | 16. | Martin's Point. |
| No. | 17. | Indian Point. |
| No. | 18. | Blandford. |
| No. | 19 | Bayswater. |
| No. | 20. | Fox Point. |
| No, | 23. | North West Cove |
| No. | 24. | . Mill Cove. |
| No. | 28. | Pine Plain. |
| No. | 29. | Deep Cove. |

## SOUTH QUFENS.

| No. | 1 | St. Catherine River |
| :---: | :---: | :---: |
| No. | 2. | Port Joli. |
| No. | 3. | Cent'l Port Mouton. |
| No. | 4. | Port Mouton, N. |
| No. | 5. | Hunt's Point. |
| No. | 6. | Western Head. |
| No. | 7. | Moose Harbor. |
| No. | 11 | Beach Meadow. |
| No. | 12 | Eagle Head. |
| No. | 13 | West Berlin. |
| No. | 15 | . East Port Medway. |
| No. | 18 | . Gull Island. |
| No. | 19 | White Point. |

Insmectorial Division, No. 3.

| No SHELBURNE No. 17 Nhar Harbor |  |  |  |
| :---: | :---: | :---: | :---: |
|  | No. | 17 | Shag Har |
| $\mathrm{N}_{0}^{0}{ }_{0}$ | No. | 19. | Up. Wood's H |
| No. $\quad 7 \cdots \cdots \cdot$ Louis Head. | No. |  | stony sland. |
|  |  |  | ARGVİE. |
|  |  |  |  |
| No. $16 \cdots \cdots$ Osborne | No. | 2 | Micl. Mast Pubnico. |
| No ${ }^{1} \cdot \cdots \cdots$ West Green Harbor | No. No. | 3. | Up. West Pubnico. |
| No $\mathrm{N}_{0} 2 \cdot \cdots \cdots$ U ${ }^{\text {d }}$ Wper West Jordan. | No. | 6 | Middle W. Pubnico. |
| $N_{0} 2_{3} \cdot \ddots \cdots$. ${ }^{\text {a }}$, | No. | 8. | Argyle Sound. |
| $\mathrm{No}_{0}^{\circ} 30^{\prime} \cdots \cdots$ Sawer Sand Point. | No. | 14. | West Glenwood. |
| No. $3 \cdot \cdots \cdots$. Pand Point. | No. | 15 | Lower Eel Brook. |
|  | No. | 16 | Eel brook. |
| No. $33 \cdots \cdots$, Mlack Past Harbor. | No. | 17 | Abraham's River |
| No, ${ }^{5} \cdot \cdots \cdot \cdot$, Roseway | No. | 18 | Morris Island. |
|  | No. | 19 | Surette's Island |
| $37 . \because \ddots$, , Birchtown | No | $\stackrel{3}{21}$ | Shice Point. Tusket Hill. |
| McNutt's Island. | No . | 22 | Hublard's Point |
| No. BARRINGTON | No. | 25 | North Belleville |
|  | No . | 27 | South liellevile. |
| No, ${ }_{16}^{6} \because \because \cdot$, Cape Negro | N \%. | 28 | Bell Neck. |
| 16. $\because \cdot \cdot \mathrm{C}_{\text {ape }}$ Negro. | No. No. |  | West Quinan. East Oninan. |
| $\because$ Bape Negro Island. |  |  |  |

Inspectorial Division, No. 4.

DIGBY.
No. 14......... Port Gilbert.
No. $41 . . . . .$. ......East Ferry.
No. $42 . .$. . . . . Tiverton.
No. $43 \ldots . .$. . Central Grove.

CLARE.
No. 31 . ........ Cape St. Mary.

Inspectorial Division, No. 6.

## ANTIGONISH.

No. $32 \ldots \ldots$. . Harbor Bouchie.
No. $33 \ldots \ldots$. E. Harbor Bouchie.
No. $70 \ldots \ldots$ Anld's Cove.
No. $76 \ldots \ldots$. Frankville.
No. $77 \ldots .$. Cape Jack.

GUYSBORO.

| No. | 2 | Riverside |
| :---: | :---: | :---: |
| No. | 10. | Roachvale. |
| No. | 13. | New Harbor, Upper. |
| No. | 14. | Sandy Cove. |
| No. | 15. | .Halfway Cove. |
| No. | 16 | Queensport. |
| No, | 17. | .Half Island Cove. |
| No. | 18. | . Black Point. |
| No. | 21. | . p . White Head. |
| No. | 22. | Lr. White Head. |
| No. | 25. | . Middle Melford. |
| No. | 26 | . Sand Point. |
| No. | 31 | Port Shoreham. |
| No. | 32 | St. Francis Harbor. |
| No. | 39 | Steep Creek. |
| No. | 40 | Oyster Ponds. |
| No. | 44 | Lower New Harbor. |
| No. | 47. | Seal Harbor. |


| No. | 51 | Codale's Harbor. |
| :---: | :---: | :---: |
| No. | 53. | Dover. |
| No. | 55 | Yankee Cove. |
| No. | 58 | Port Felix, W |
| No. | 59 | Port Felix, |
| No. | 60 | Cole Harbor. |
| No. | 61 | Charlo's Cove. W. |
| No. | 62 | Larry's River, E. |
| No. | 63 | Larry's River, |
| No. | 64 | Gammon Pornarbor- |
| No. | 65 | Fisherma |

Sr. MARY'S.

| No. | 15. | Eeum Secunt |
| :---: | :---: | :---: |
| No. | 16. | Marie Joseph. |
| No. | 17. | Liscomb Manmb |
| No. | 18. | Middle Liscomb. |
| No. | 19. | Lower lascor. |
| No. | 20. | Wine Harbor |
| No. | 21. | Port Hilfo |
| No. | 23. | Sonora Beketon. |
| No. | 27. | Port bicke |
| No. | 28 | Chegoggin.mb. |
| No. | 29 | West Liscomp ${ }^{\text {a }}$ ( |
| No. | 30 | Spanish |

Inspectorial Division, No. 7.

## RICHMOND.

| No. | 1 | Acadiaville. |
| :---: | :---: | :---: |
| No. | 2 | Port Royal. |
| No. | 3. | Janvrin's Island. |
| No. | 4 | Arichat. |
| No. | 5 | Potulamond. |
| No. | 6. | Martinique. |
| No. | 8. | D' Escousse. |
| No. | 9. | Poirierville. |
| No. | 10. | Cape La Ronde. |
| No. | 11 | Rocky Bay. |
| No. | 12 | Edward |
| No. | 13. | Petit de Grat. |
| No. | 15. | Orange. |
| No. | 16 | Point Marache. |
| No. | 17 | Cape Auguet. |
| No. | 18 | (irand Digue. |
| No. | 19 | Iouisdale. |
| No. | 20 | Last Basin. |
| No. | 21 | l3asin. |
| No. | 22 | Kichmond Mines |
| No. | 23 | Port Richmond. |
| No. | 24 | Port Malcolm. |
| No. | 25 | Sunnyside. |


| No. | 27 | Hureauville. |
| :---: | :---: | :---: |
| No. | 32 | Seaview. |
| No. | 38 | Cape Ge's Cove. |
| No. | 39 | Beaver's ${ }^{\text {dirgents. }}$ |
| No. | 41 | River Bour |
| No. | 42 | Cannes. piver. |
| No. | 43 | Lynchs River. |
| No. | 44 | Salnon Cove. |
| No, | 45 | Soldier |
| No. | 46 | Macna |
| No. | 47 | Hay Cove ids. min. |
| No. | 16. | Red Isla Mounta ${ }^{\text {Pa }}$ |
| No. | 50 | Peter's ${ }^{\text {dech }}$ Lor ${ }^{\text {a }}$ |
| No. | 52. | West den. |
| No. | 53. | Aberdeer |
| No. | 55. | Stirling. ${ }^{\text {areton. }}$ |
| No. | 56. | Cape |
| No. | 57. | lourchise. |
| No. | 58. | Frambale. |
| No. | 69 | Intersprit. |
| No. | 60. | Archeveque. od |
| No. | (i) |  |
| No. | $(12$ | Head Loch $\mathrm{R}^{\text {an }}$ |
| No. | 6 | Hewis Cove |



SOUTII INVERNESS.

| No. | 3 | Low Point |
| :---: | :---: | :---: |
| No. | (1) | Albion. |
| No. | 16 | Dunmore. |
| No. | 61 | R hodena. |

Inspectorial Division, No. 8.

\begin{tabular}{|c|c|c|c|c|}
\hline \& NORTH INVERNİSS. \& No. \& 34 \& Gillis Point. <br>
\hline ${ }^{1}$ \& 1. \& No. \& 38. \& Clyburne Brook <br>
\hline No. \& 2...... Grantosh, Pleasant By. \& No. \& 41. \& Sea View. <br>
\hline ${ }^{+}$ \& 8...... Pleasant Bay. \& No. \& 43 \& Middle Ridge. <br>
\hline $\mathrm{N}_{0}$ \& 11, . . . . . . Le Fiort. \& No. \& 4. \& Aig Intervale. <br>
\hline \& 12... . . . . .e.elilanc. \& No. \& 57. \& Tarbert. <br>
\hline \& Ruisseau-du-lac. \& No. \& 59 \& Indian Brook. <br>
\hline \& VICTORIA. \& No.
No.

Nob \& 6.5 \& South Ingonish .Sugar Loaf, C. <br>
\hline ${ }_{0}^{0}$ \& 26. \& No. \& 73 \& Neil's Harbor. <br>
\hline \& 31........ Upper Washabuck. \& No. \& \& West Ingonish. <br>
\hline
\end{tabular}

Inspectorial, Division No. 11.

CAPE BRETON.

| $\cdots$, |  | CAPE BRETON. |
| :---: | :---: | :---: |
|  | 22 | South Head. |
| ${ }_{0}$ | 23. | Milton. |
| ${ }_{0}$ | 25 | . . Round Island. |
| No. | 30 | Horn's Road. |
| $\mathrm{N}_{0}$ | 32 | Caribou Marsh. |
| No. |  | Marion Bridge. |
| ¢ | 9 | Voodbine |
| +0. | 42 | Edwardsville. |
| No. | . 65 | Ball's Creek |
| No. | - 66 | Catalone. |
| No. | - 67 | Bateston. |
| No | . 68 | Clark's Road. |
| 0 |  | - . Mainadieu. |
|  |  | tle Lorrain |


| No. | 72 | Big Itorraine. |
| :---: | :---: | :---: |
| No. | 74. | West Louislurg. |
| No. | 77 | 'rrout Brook. |
| No. | 78. | . Big Ridge. |
| No. | 79. | French Road. |
| No. | 80. | Ocean View. |
| No. | 81. | Gabarus Bay. |
| No. | 82. | Gabarus. |
| No. | 83 | Gull Cove. |
| No. | 84. | Gabarus Lake. |
| No. | 85. | Belfry. |
| No. | 86 | Canoe Lake. |
| No. | 87 | - Upper Grand Mira. |
| No. | 88 | Grand Mira. |
| No. | 89 | Victoria Bridge. |
| No. | 90 | Grand Mira, N . |
| No. | 91. | Caledonia. |
| No. | 97. | Big Pond. | CONSOLIDATION IN THE MANUAL OF 1901.

For the Provincial Normal School see the latest Calend ${ }^{\text {dr }}$ and the intimations in this issue of the Journal.

For Teachers' Licenses, Provincial Examinations, Courses 0 Study, Vacations, Institutes, and the Provincial Education Association, etc., see the regulations as published in this iss ${ }^{1 l^{2}}$ of the Journal.

For Rural School Libraries and list of prescribed books, et ${ }^{\text {to. }}$ to see the October Journal of Education for 1903, pages $5^{2}$ 165.

## RURAL SCHOOL LIBRARIES OF NOVA SCOTIA.

 1900, authorized the ratepayers to vote funds for "books for school libraries" at any regularly called school meeting.

Prior to 1903 the Council of Public Instruction published of ${ }^{(18)}$ the "Manual of School Law, rgor," and in the "JourN ${ }^{\text {N }}$, bich $^{\text {b }}$ Education," from year to year) the following regulations still continue to remain in force:
172. In the Revised Statutes of 1900, Chapter 52 , Section 77 (e), is given for the raising of funds for books for the school library by assessme ${ }^{\text {nt }}$ the Council has prepared and published a list of books for such libraries, $\mathrm{tras}^{4 \mathrm{~s}^{e e^{s}} \text { tot }}$ chasing such books with school funds should first send a list of proposed boo app publishers, sizes and prices if possible, to the Secretary of the Council for
173. In some schools among those fully graded, the prescribed Reader thoroughly mastered before the other portions of the course; so that additional ${ }^{\text {sisu }}$ may profitably be undertaken by the pupils. Such readings are known ${ }^{\text {as }}$ mentary" and may be authorized by the Council for any section making app por but only on the conditions: (a)that the prescribed Readers have first been mastered, and (b) that the "supplementary". Readers authorized be the prop and the sehool seetion, so that no parent or pupil shall be required to purchase Reader.
 make the school hory an essentiak part of the legat eq by of these puble schools which inspectors can have enforced withholding of public funds under the conditions speeficed.

Chapter 24 of the Statutes of 1903, is as follows:-
FOR THE ENCOURAGEMENT OF RURAL SCHOOL, IIBRARIES.
${ }^{\text {Be }}$ it enacted by the Governor, Council, and Assembly, as follows:
Treasury The Council of Public Instruction may pay anmually out of the Provincial
section, the any teacher acting as the librarian of the school library of the school
altue and usum of five or ten dollars, according as the equipment of the school, the
attain the use of the library, and the general management of the school and library,
library grant rands prescribed by the regulations of the Council for the smaller or larger 2. Nothespectively.
thy school sething in this Act shall apply to the schools in any incorporated town, or in
teacher drawing employing a class A teacher drawing a superior school grant, or a

## REGLLATIONS FOR RURAL SCHOOL LIBRARIES.

## The Grants.

ed The Rural School I, ibrary grants, authorized by statute (quoted above) are intendin whimural school I, ibrary grants, authorized by statute (quoted above) are intend-
are chlectass "the formation and use of libraries in school sections ot her than those
Fordy conditiongricultural and Manual Training grants are drawn-which grants Worthor the conditioned to some extent by the existence of appropriate libraries.
during at least twellar grant the books belonging to the library in the year 1904 must be For the year to to ty dollars, and at least 150 issues of books must have been made at For the year to readers.
Year. fifty tollarlar grant the books belonging to the library in 1904 must be worth five Each yedrs, and at least 300 issues must have been made to readers during the five dach year subsequent to 1904 the minimum value of the smaller library must be
nhin mith li mum shall theater than on the previousy ear until it becomes fifty dollars, when the $l_{i b}$ In like mall remain constant. [After igo9 Fifty Dollars.]
Hary me manner, each year subsequent to 1904 the minimum value of the larger ${ }^{0}$ dollars.] dollars ten dollars greater than on the previous year until it becomes one
purchased; for bad type, poor paper or defective binding should not be imposed upp children any more than on adults.

Books imported into Canada for selool libraries are entered free of duty.

## The Books-How Kept.

The books shall be kept (when not loaned to readers) in a proper book case lock and key. Under the direction of the secretary of the school board the ted did acting as librarian shall be responsible for the loaning, collecting and safe keep ser the books to the school trustees. The librarian at the close of his period of sed or def shall deliver up to the secretary the library and its whole equipment in goo to to and in good condition except for reasonable wear and tear or accidents not
lack of intelligence or care. The loss of any volume or material through the ${ }^{1 / 2}$. ${ }^{\text {it }}$ fault will be chargeable against his salary, and shall be replaced at his expense by secretary. In the case of a conflict of opinion the secretary shall arbitrate the cas

The Secretary shall on the retiring of any librarian acknowledge by his sig the correctness of the inventory of the library thus given up; and on the assund of the duty of librarian by another teacher, the said teacher shall in like him. knowledge the correctness of the inventory of the library handed over tocetary of book is lost or injured by any one to whom it has been issued, the secretar $0^{5 t}$ trustees shall promptly take the necessary legal action for its recovery or for the the the its restoration on the report of the librarian, who shall not be responsible for provided he has followed the instructions of the secretary in a reasonab and reported the injury or loss promptly.

A book loaned to a member of a family in which infectious disease has pad out should not be returned to the library; but its value should be promptly pa a new book obtained.
 authorized by the school board, fixing the time of loan, fines tor holding ocal wat of management; but all books must be dalled in at the close of the school ternd with ing the vacation period and the absence of the teacher, the sectetary may on the faced order of the school trustees issue books as librarian, all of which must be replace him when the library is handed over to the new librarian.

The School Dictionary.
There must be an English dictionary in the sehool room; and all pupils Grade III must be tanght how to use it, and must be accustomed to use it freely.

## The Library Case.

There must be a library case, under lock and key, for the sale keeping of the ${ }^{\text {bol }}$

There must be an accession book kept, in which all the books of the entered as they are procured, so as to show all the details specified below

This book should be not less that seven by nine inches (which is the size stif $0^{0}$ "return," a duplicate of which is to be annually pasted into it) with good cor $\mathrm{m}^{c}$, and well bound back, and at least 48 leaves. Books of 72 leaves are and are a good size for even the smallest library; for they will be large eno ford by
the record of books added to the library

A uniform label for such books, som?what as follows, will be supplied publisher of the other library blanks.


Tontaine two pages will be used as a single folio, 14 inches wide and 9 inches aeep, ibrarian or more horizontal blue lines; and should be neatly ruled in red ink by 1 st. a as follows.
the vertical double horizontal line near the top of the page under which the titles of
red line. columns shall be neatly written. Underneath these titles rule a single
${ }^{2}{ }^{2 n d}$. Vand. Vertical lines in red from the double horizontal line to the bottom, forming
of the following breadth under each of the following headings:


Author. $\mid$ Title. $\mid$ Date Received. ( $\frac{1}{2}$ inch.) | ( 2 inches.) | ( $2 \frac{1}{2}$ inchers.) $\left\lvert\, 1 \frac{1}{1}\right.$ inches.)

(Right Page.)
No All the ( 1 inch.) ( 1 inch.) ( 1 inch.) ( 212 inches.)
tumber. The entries must be in ink. Books should be numbered consecutively from Prowided which shoudicated by a letter, should also for convenience be given near the for this should be on the inside of the front cover. A general label may be his purpose--somewhat as follows:


Give shirname of author first followed by his initials if necessary
Give dart title sufficient to distinguish his initials if necessary,
$G_{i}$ e she when bookient to distinguish the book-omitting the article Give dort title of
 T. Put Source," "cation-the year.
"Mis Uder "a letter " "ge" any brief expression to indicate from whom the book was obWorng " 18 Remarks," (gift) under the head of "cost" when necessary. Apr., 1903 ", 'Make such entries as the following: "Livest, 3 Jan., 1903"'; Withdrawn 'Given in each, for No. 47 "; "Rec'd in ex. for No, 12" (date)" 'Replaced by No. 123," etc.

There must be a record of the loans of books, and eacli book must be loaned by the librarian to a reader (not by one reader to another), so that the library may rece due credit for the number of readings or issues of the books. system," briefly describel

The system of loan records prescribed is the "Card as follows:

There must be a card cut exactly three by five inches for each book in the "Aibrath having on the five inch top line a place for the "No." ( $\frac{1}{2}$ inch), "Class" ( $\frac{1}{1}$ inch), or" (2 inches-surname first), "Title" ( 21 inches).

Under this line may be nine or ten horizontal lines, which should be divided int two equal parts by a strong vertical line, each part to be again divided into three under the following heads; "Date lent" ( $\frac{1}{2}$ inch), "Borrower's name" ( $1 \frac{1}{2}$ "Date returned" ( $\frac{1}{2}$ inch). This will give room for 18 or 20 records of borto gider and as the lines can be continued beyond the bottom of the card to the other for it. will contain space enough for about 40 horrowings of the books, one nearly for one of week of the school year. In dating, the months should be indicated by only two letters, Ja.-January, Je.-June, Jl.-July, etc.

If the book is borrowed so seldom that the card will do for two school years ${ }^{\text {a }}$ fo line should be ruled to separate distinctly the record of the previous school year of the that of the current year. This will enable the librarian to count up the number ${ }^{\text {of }}$ "issues" of each book for the yearly return, readily and accurately.

The card will look somewhat like this:-


This card shows that Charles Dickens' "Christmas Carol" was Smith for a week, from January 18th to 25 th, when it was returned; Jones from February 3rd to 10th: and to Fred Adams on March 10th not yet Jane Clark's name is entered to show that the book was promised her whert by Fred Adems, the 'date lent." not to be filled in until it is issued to Jane The cards should be kept in a neat wood or pasteboard box, five inches about three inches deep, with the Author and Title uppermost, arranged an each likewise arranged in the alphabetical order of the Title.

While the breadth of the inside of the card box should be five inches, fer little more, in order to allow the cards to be moved without friction, the to depend on the number of cards which might in the future be expected

It is recommended to have the card box several inches long, if a large library is expected
In a few years, the to have the card box several inches long, if a large library is expected
moved
moved up to the carcis so as to keep them standing. It will be an advantage to have
When in of such block against the cards slightly sloping instead of vertical, so that
inch forward cot with the base of the card, the finger can tilt the top of the card half an
fared to have so as to expose the name of the author and title to view. It is also pere-
be resting vertigo similar wedge-like block at the back of the cards so that they will not
title', more vertically on edge, but titer back slightly, thus making the 'author and
box. more easily visible when fingering tor the required card. Side view of such a


Prepared card catalocyu boxes containing 100 cards and the prescribed labelfare beng dicaneny a Halifax publisher at a retail cost afoot to exceed twenty-five cents.
is mated; and a book is given ont the entry is to lo made on the card as already in-
space and when it is returned cure int st $b$, wake to mark the card before the book
An its box. the An asterisk $^{\text {and }}$
teachmber of these star should be placed over the name of each adult borrower, so that
librates, parents and may be readily picked up by rumbaing the eve over the cards. The
and im ; and the and ratepayers of the section shall have the privilege of using the
general portent itemumer of issues of books to adults will therefore be an interesting Public item of information for the educational authorities as well as for the This information has to be given in the "annual return."
(8)


to inc (including all books ranging from elementary nature study to the application of science to the arts and industries, such as B. -Travel Apiculture, Forestry, etc.)
C. Gravel and Description.
D. -Biography.
E. History.
G. Poetry.
G. Fine Arts (Music, Drawing, Painting, etc.)

Miscellaneous (Literature which cannot come under the foregoing or
J. Books of follow classes, such as Mythology, Children's Stories, etc.).
\&. Year Booference (Dictionaries, Cyclopedias, Gazetteers, Atlases, hue Books (all School Law, Journals and Reports on Education, etc.). not in J.) (all government and municipal reports, publications, etc., $\xrightarrow[\text { L. Periodicals. }]{\text { not }}$

## Annual Return.

BOOK AND CIRCULATION STATISTICS.

| Class. | No. Books at beginning of school year. | No. Books added during school year. | No. Books lost or withdrawn during school year. | No. Books at end of school year. | Circulation of issues) ing school ges. |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| A...... |  |  |  |  |  |
| C...... |  |  | , |  |  |
| D...... |  |  | , |  |  |
| E...... |  |  | , |  |  |
| F. |  |  |  |  |  |
| G..... |  |  | ¢ |  |  |
| H...... |  |  |  |  |  |
| J...... |  |  | ; |  |  |
| L...... |  |  |  |  |  |
| M...... |  |  |  |  |  |
| Total... |  | 1 | 1 |  | , |

*No. of issues to others than pupils in this total
Books added during year, by purchase
by gift, ......... by exchange. Tot Books withdrawn during year, by wear......, by loss...... by exchange... .. Number of borrowers (readers), children. ......, adults. ......., Total....

## Annual Financial, Statement.

## Receipts.

Balance from last year $\qquad$ . $\$ . . .$.
From School Funds
From Donations
From Contributions of pupils
From School entertainments
From Fines for damage to
books
From Other cources
Total
...... .....
year. The totals will then show the exact expenditure on the Libraty duld school year. ${ }^{1}$

## Summary Financial Statistics.

Total expenditure on I,i)rary since year 1900 (from last Annual Return)
Expended this school year on I.ibrary case and accessories
Expended this year on Books
Expenditures

Total expenditure to end of this school year
For Library, case and equipment For books

Balance on hand unexpended,
if any, at end of school year

Estimated present value of Library case and accessories
Estimated present value of Books


Estimated present value of total Library equipment

## Certificate.

This is to certify that to the best of our knowledge and belief the Library has been
are fitted during this school year as required by law; that all the blanks in this return is fixed securerrectly, and that an exact duplicate of this return over our signatures - Xed securely into the "Accession Book."

Signed this.

(10)

## How to get the Library Grant.

Library teacher should give notice of the intention to compete for the larger or smaller library has grant when intimating the opening of the school to the inspector. Where no but the equy yet been organized, such intimation should be given as early as possible; and certified onent should be complete at the end of January, and the facts fully stated $A_{n}$ inftified on the blank half sheet of the semi-annual return of the school in February. by every teal statement of the competition for the smaller or larger grant should be made endorsed teacher competing, as a notification to the Inspector. Without such notice The Libre semi-annual return no claim for the grant can be maintained.
Aid at the Library grants shall be paid with, and in addition to, the regular Provincial $i_{\text {sued }}$ from of the school year, provided the foregoing regulations and the instructions With, providime to time from the Education Department have been fully complied Inspector with the special Library Return accurately made out has been sent to the and special dhe regular annual returns of the school; and provided the Inspector brary the deserving it shall be to examine and vouch for the correctness of the returns ry, and otherg character of each school library in his jurisdiction, endorses the Liother returns of the school with his approval and recommendation
$(14$

## PROVISIONAL CATALOGUE.

${ }^{\text {books }}$ The catalogue of October, 1903, is merely provisional. It contains the tities of
$\mathrm{Ed}_{\mathrm{d}} \mathrm{cation}$ suble for pupils, parents, teachers and students. The Superintendent of ${ }^{\text {as }}$ to addition we glad to receive suggestions from teachers, students, publishers, ete. meded by better books to be put on the list as well as to the withdrawing of those superbe issued publications; so that a more complete and better classified catalogue lation No Suppl.
${ }^{\text {dem }} 173$ will 17 mentary Readers-class $M$-are at present recommended. Regunand for will cover any possible demand for them, as Regulation 172 will cover any and Books recor books not on this catalogue.
and in the recommended in the course of study, and to teachers in regulation 170,
${ }^{001}$ libraries.

MANUAL 'TRAINING. 1903.
Public Ordered, that under section 71 of Chapter 52, of the Revised Statutes of 1900, no
except 8 Sey shaols, whe paid to school boards for the instruction of pubils in Manual
teen when specially have not advanced as far as Grade VI. of the Public School Course;
of suears of apeciallv authorized by the Edacation Department, for pupils over thir-
of the schoolse; and that the grants on account of the Domestic Science departments
$\mathrm{RE}_{\mathrm{s}} \mathrm{h}_{\text {ool }}$ board not exceed one-half of the maximum grant allowed under the law
${ }^{\text {EGU }} \mathrm{I}_{\text {AT }}$ (
ATIONS FOR THE STRIENGTHENING OF SCHOOL SECTIONS, \&e.

[^2]Reg. 10 (b). Two adjacent school sections which cannot afford to employ a qualir fied teacher for the whole year, may arrange with the Inspector of schools, to be a ${ }^{550^{\circ}}$ ciated together as a "double-section," the teacher to be employed in the school house bil one section for one hali of the year, and in the other school house for the other hall the year.

Reg. 10 (c). When an enlarged school section has one or more settlements ${ }^{c}{ }^{015}$ siderably beyond two miles from the school house, the Inspector may arrange with tion Trustees to recommend to the Council of Public Instruction the granting of a port the of the Provincial Aid and Municipal Fund, which can be assumed to be saved by the enlargement of the section and the.reduction of the number of schools, to subsidnce, id conveyance of pupils from such settlements to the school house, say for insta withoth the morning, allowing them under ordinary conditions to return to their homes conveyance.

Reg. 15 (e). It shall be the duty of each Inspector to classify the school section within his division into first, second and third class sections; which in order to ${ }^{\text {en }} \mathrm{g}^{\text {a }}$ the full regular grants of public money, should employ respectively teachers hav madile least the corresponding classes of license. Such clasification may be revised a the gate any change being intimated to the secretary of the school hoard affected before thploy of the regular annual meeting of the section. Any section shall be frec to emp jas
teacher of hipher class than its rankine than its ranking except on the express anthorization of the Inspector for sufficil reasons, such as the lack of teachers of the class requited.

## UVIVERSITY GRADUATES

(Passed the 20th August, 1904.)
Ordered that regulation 23 (b) be amended by the aldition of the following senteref In an emergency and on the special recemmendiation of the Inspector, a Unit firs exceeding one year provisionally employed as a principal of any school or ar ap on with an advance in class of license, until he is rewularly qualified.

## REGULATIONS OF C. P. I., OCTOBER, 1907.

## Ordered

for consolidatyd school sfetions wheh arle benberciaries undel of the seatutes of 1903.
(1) That in the case of consolidated school sections which received the of $p$ prt Provincial Grant under Chapter 22 of the statutes of 190)3, the conveyance houst hos a point which will afford such pupils the advantages as to distance enjoyed of sho
not more than two miles distant, and not more than two miles distant, and must be satisfactory to the Inspector ouch f
(2) Under no eircumstances shall it be deemed necessary to convey further than to and from a point within one and a half miles of the school, or the pup
distance towards the school in the morning or the same distance towards distance towards the school in the morning, or the same distance towards the homes in the evening, as can be most economically arranged.
(3) The Trustees of the section will endeavor, as far as compatible with whits the regulations of the C. P. I., to meet the reasonable desires of parents and pupisfere is ${ }^{\text {it }}$ arrangements and equipment for the said conveyance, any point of referred to the Inspector for decision.
(4) The Trustees in making arrangements for conveyance, shall take the ary precautions to have as satisfactory service as possible, at the most expedien
rate of cost to the section. It is recommended when it may bo found endren on grant allowances to parents or guardians for the conveyance of their children of neighbors' children, in which cases the sectional school tax or any portion dup be remitted to such persons by the Trustees, as a part of such allowance agteed
(5) Generally it may be found most convenient for Trustees to call finite for conveyance along certain definite routes at definite times, with a in order to ment, under the oversight of responsible drivers or other persons, in order
the cost; but Trustees should keep themselves free to make cheaper arrangements
subject possible, with equally satisfactory conveying-all arrangements for which are (6) to the approval of the Inspector.

17 of the That the power conferred upon Boards of School Commissioners by See
to be applied to ditation Act, with respect to ordinary school sections, be recommended
however, bed to distant and isolated ratepayers in Consolidated sections, due regard,
lished.er, being paid to the object for which Consolidated sections have been estab-
$b_{e}$ (7) Only resident pupils of the school section from 7 to 14 years of age are to
See wheyed free, but other pupils may be carried on the payment of a reasonable
${ }^{\text {l }}$ ess ${ }^{\text {prop }}$ will not allow their conveyance to be at the cost of the school section, un-
${ }^{8 c h}$ ool sevision had been made for conveying such pupils at the annual meeting of the (8) All
previous regulations inconsistent with these are hereby repealed.
$\mathrm{D}_{\text {bergions on }}$ some Limitations op the lowers of Shool Trusters.

1. School trusteos have power to rent temporary school rooms when there is not
sch ouent accommodation in the publie sehool rooms; hat they camot use for public
Purposes, roms which are not, for the time, completely under their control for school
Which mise that they ean bo heh responsible for the character of the aceommodation 2. Nehe bin accordance with law.

8omp order to hay trustees camot vacate a public school room fur any other room except
gradinufficient he it repaired, providing it should be deemed capable of repair; or for
ing, but reason affecting the school section as a whole, such as to secure better
igio, Aut not to suit the desires of indivilual parties or sects.
of the by the arangement of school romes which may (1) prevent the exeroise of super-
soheo departnencipal teacher of the sehool section; or (2) prevent the efficient grading
the I law. If ents in charge of such teacher, is not compatible with the spirit of the
Inspector, If either of these iarezulatitis exist, and continue after notification by
have It is the schonls camol participate in the pablic grants.
anothe therefore gal for pupils in a section with only a few departments, which cannot
the arer ronn thong than one series of grades, to mect for devotional exercises in
$b_{0}$ arrangemeng the one in which they are registered for the work of the grade,
be held confusion or ior exchange to be co-ordinated by the principal so that there may
the fay sinhultan or unnecessury loss of time. Separate devotional exercises may thus
day will be in tusly tos suit the desires of different pupils who during the rest of

## SCHOOL THROUGH SUMMER VACATION.

Edceationed, That on the recommendation of the Inspector, the superintendent of $^{\text {On }}$ schount of the allow sehools closed during the carlier portion of the school year on
 ret said provided summer vacation, so as to make up any portion of the time of teach-
returd vacation a special retimberent in to the hapector for the time taught during at the end perion, and that the pubhie grants shall become due on the suid specia end of the following hall-school year.

## REGULATIONS OF C. P. I., 1908. MID-SUMMER AND WINTER VACATION.

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SEMI-ANNUAL ADVANCE OF CLASS OF LICENSE.
The semi-annual payment of Provincial Aid to teachers shald be paid on the basis of the class of license held at the opening the school each half year.

## ACADIAN SCHOOL REGULATIONS, 1908.

## Ordered By the C. P. I.

1. That a bilingual visitor of schools in French-speaking school sections out the Province be appointed, who shall be known as the Bilingual Visitor o Schools, and whose duties will be supplementary to those of the regular of each inspectorial division. It shall be his special duty to aid the Inspector Superintendent in making the schools in French settlements more efficient in ded th respect authorized by law, his command of the French language being intende enable him to supplement as circumstances require, the work of the Inspectors.

In carrying out these general directions he shall, as far as possible, co $0^{0 p}$ per with the Inspectors, and like them also report monthly on his work to the superduc ent; and at the end of the year present a report on the state and progress of ed in the Acadians for such improvements as he may be able to specify.
2. A bilingual course of a few weeks shall be given free each year during $\sqrt{\text { s }}$ time in the Provincial Normal College at Truro, to French speaking teachers to $p_{g p^{0}}^{\text {tp }}$ them to teach English colloguially to French pupils coming to school without ledge of English; in order that by the time the pupils have completed the firs ${ }^{4}$ grades of the public school program, all work of instruction can be carried on ${ }^{\text {e }}$ thereafter in English. Travelling expenses to and from this course shall be pal the rate of five cents per mile.
3. In schools where a large number of pupils attend who cannot English, the trustees are authorized to allow the use of the prescribed French for such pupils, provided the teacher is capable of giving colloquial English, as specified in the foregoing regulation, and is giving it so effect by the end of the fourth year, the pupils can henceforward be effectively in through the medium of the English language. But no language except be imperative on any pupil.
4. As many educational authorities believe a colloquial system (such Berlitz) to be the most expeditious and economical method of acquiring in guage, school trustees shall continue to be free to employ English speaking under any such conditions as specified in the foregoing regulations.

## THE ACADIAN COMMISSION.

The origin of these regulations, was the desire to carry out the reconime of the Acadian Commission which sat in the month of April, 1902.

On the 18th April, 1902, it was recommended to His Honour the Lielle Governor:-
"That the following gentlemen be appointed as Commissioners under the
"'visions. of Chapter 12, Revised Statutes, 1900, for the purpose of inve the
" best methods of teaching English in the schools situate in the French Dep if when
' 'the province and generally to make any suggestions to the Educational
${ }^{4}$ "Which would have the effect of bringing about greater educational
districts.
'Rev. P. Dagnaud, of Church Point.
"'W. E. Maclellan, of Halifax.
"'Prof. A. G. Macdonald, of Antigonish.
"'Rev. W. M. LeBlanc, of Arichat.
"'Alexander McKay, Supervisor of Schools, Halifaa.
"'Hon. A. H. Comeau, of Meteghan River.
'Rev. A. E. Mombourquette, of East Margare.
'M. J. Doucet, M. P. P., Grand Etang."

# and The Commission was promptly appointed, and after examination of witnesses <br> the Coundeliberation, the following report was made, and afterwards presented to Cuncil of Public Instruction:- <br> <br> To The Honourable 

 <br> <br> To The Honourable}

## ALFRED GILPIN JONES, <br> Lieutenant-Governor of Nova Scotia.

## thay it Please Your Honour:

''the We, the undersigned members of the Commission appointed by your Honour ' 'tor
"situ purpose of investigating the best methods of teaching English in the schools
'any suged the French-speaking districts of the Province, and generally to make
"bringingestions to the Educational Department which would have the effect of
of Chap about greater educational progress in such districts, under the provisions
P. 12, of the Revised Statutes of 1900," beg leave to report as follows:-

Teek to enommission have devoted twelve long sessions, extending over more than a
They have enuiries concerning and the consideration of this highly important subject.
Theys parts
English hare summe Province coming directly within the scope of their Commission, ment and Frononed and heard the testimony of expert language-teachers, both
in such Insectors hach. They have listened to and weighed the statements of Govern-
Droblem schools. Thaving the supervision of French-speaking schools, and of teachers
set before they have thoroughly discussed and most faithfully considered the Th fore them in all its bearings.
Their investigations and deliberations have been marked throughout by the greatto rit. They and by the conspicuous absence of any mere sectional, partisan or racial
bort your hoy have been able to reach the conclusions which they are about to submit nour not only unanimously but without friction or unpleasantness of any

dining thrst enquiries of your Commissioners were naturally directed towards deterdignd ering relative standing of French and English-speaking schools, with a view to evidenatage under the former are being or have been subjected to any considerable
aprence before yor our educational system as compared with the latter. All the pup pily or or difference in dissioners goes conclusively to show that, while there is no of the or betweence in intellectual capacity between French and English-speaking Orthe former is French and English-speaking districts, the average rate of progress More ming to showsiderably less than that of the latter. Weighty testimony was Pupils ig inular school that while this is the case, French-speaking pupils are generally the same In attendants and often more eager learners than English-speaking Y Inspectorial Districts.

${ }^{4}{ }^{g} \mathrm{~g}^{2} \mathrm{an}^{5}$ bections of the Province have been and continue to be at a very serious commo be in in the matter of education. They believe a measure of that disadvanthe ever, in in the to and inseparable from their position as small French-speaking Part of of a considerab of larger English-speaking ones. They believe further, to of of mare or less incopart of that disadvantage is due to misconceptions on temasel pextent to others of the aim and spirit of the school law of the Province and es. to certain remediable defects in the School Law and Regulations

Your Commissioners find that the fundamental error in dealing with the Frenthe Schools, which must be held responsible for many of their short-comings, has been with assumption that they must be taught exclusively in English. They find that de to startling uniformity and persistency attempts have been made and are being mashing educate children from French-speaking homes and with none but French-sp teab playmates by means of the English language alone, sometimes from the lips of ers who can speak nothing but Engiish. They find from the testimony of expd that even were such teachers masters of the most approved modern methorir bed teaching a foreign language but meagre results could be anticipated from thillaug and often otherwise incompetent teachers ordinarily a vailable for employment in shilith schools the efforts, however conscientious, made to teach the children to speak tile at are, as might be anticipated, largely a failure. They find also that, while futile adt tempts to teach them linglish are thus being put forth, the general edneation of Fred speaking pupils is being more or less seriously or sometimes even totally neglected

With a view to remedying these defects and redressing serions gricvances what they beliove should be removed as speedily as posible, your Commissioners bout
 in the hope that they may be appoved by you and by your Council of Pubp struction, and that due effect may be given to them in the future regulation ${ }^{\text {an }}$ directions of the Educational Department of the province. Your Commissione unanimously of the opinion,-

First, "that Fuglish can be best and most effectively tanght in the French-spew ing school-sections of Nova seotia by the daily use in speaking and writing firt th language, taucht according to the most approved methods, from the pupils' ${ }^{3}$ s ${ }^{\text {s }} 0^{00}$ trance into school, to be followed by the use of the prescribed Euglish readers as they, can be intelligently used by such pupils, not later than the 3rd or 4 th gra

Second, "that the gencral education of French-speaking pupils should be on concurrently with their aequisition of the use of Euglish, and that this can $\mathrm{c}^{\text {be }} \mathrm{g}^{\text {g }}$ cessfully accomplished only by the ne of their vernacular; that, therefore, as of the necessary they shoukl, while learning Langish, be taught the other subjects shal ${ }^{\text {bo }}$ curriculum in French, provided howeser, that the use or study of Frencl optional with every pupil.

Third, 'that, as far as macticable, in the lirench-speaking schools of this pro vince, only bi-lingual teachers should the employed."

Your Commissioners have bem forced to this last conclusion beenase they ${ }^{\text {a }}$ vinced that only French-speaking teachers are ordinarily competent to $\mathrm{man}^{2 n}$ properly instruct French-spaking pupils from French-speaking homes in speaking communities during the earrier years of their school attendance or the the they have acquired a working knowledge of the Engliwh language. They befig in in the difficulties of traching the use of English under the conditions prevaing fron French-speaking sections are so greatly incrased that it would be not far fry ${ }^{\text {dut }}$ possible for even the most expert of languge tachers to carry on the primary tion of the pupils by means of it alome.

Your Commissioners have, further mammonsly agreed upon the following refor mendations which they make to your Honour as the logical outcome of the conclusions:--
of liench rendine hooks suitable for grades $^{0^{00^{2}}}$ four should be prescribed for use in French-spating school sections.

Second, "inasmuch as the evidence given lefore your ('ommissioners shot clusively that the majority of schools in lemeh-speaking sections are not satisfactory progress lapely in consemence of fanly medonds in tead of son that the Council of Public listruction should prowide at shot course, of purpose of id duration, during the smmer holiday: in the Nomal sohool, for the ef par Engite parting to bi-lingual tomethers the most approved methods of teach the mater the such sections, and that teachers attembing such conse he treated in atending regular sessions of the Normal hehool.

[^3]> Iour Honour's obedient servants.
W. B. Maclellin, Chairman.
A. H. Combat.
A. (. Macmoniles, A. M.
P. M. Dagnadd.
W. M. Dmblanc.
M. J. Doucet.
$\mathrm{H}_{\text {alifax, }}$ April 28th, 1902.
A. F. Mombotrouejte.
A. MrKAy.
and The finding of the commission, it appears, was unanimous; the carrying of that fact the Council of Public Instruction authorized out of its recommendations in the most careful manner.

Regulations of C. P. I., April, 1909.
${ }^{\text {PROVINCIAL EXAMINATION OF HIIGIL SCHOOL STUDIENTS. }}$
have 82. "High School Students" shall be held to mean all who fled pings the the County Academy Entrance Examination and are Sed by a lie subjects of any high school grade, or who are certibeyol a licensed teacher as having fully completed the Common ${ }^{0 n}$ Course of study, and are congaged in the study of subjects Grade VIII.

> ami
> of hers A terminal examination by the Provincial Board of ExPthe fill be held at the end of cach school ycar on subjects tivgram, to becond, third and fourth years of the High School tely of the known also as cirades IX, X, XI and XII respec, the Public Schools.

July, ${ }^{84}$, The examinations shall be held during the first week of of publind IX, and time tables given in 98, for Grades XII, 6. Advoch school teac the "Minimum Professional Qualification" - Baddate; 2 Alachers, at each of the following stations, viz:towndeck; 2, Amherst; 3, Annapolis; 1, Antigonish; 5, Arichat; I5, $D_{i g l} 11$, Brid , Barrington; 8, Bear River; 9, Berwick; 10, Bridge-
 Port; 24, 20, Glace Bay; 17, Great Village; 18, Guysboro; 19, ${ }^{24}{ }^{20}$, I Inverness; ${ }^{2} 1$, Kent ville; 22, I Liverpool; 23, Locke${ }^{4}$ Squodoboit; $^{25}$ 25, Maitland; 26 , Margare Harbor; 27,

Sydney; 31, Oxford; 32, Parrsboro; 33, Pictou; 34, Port Gre | rille |
| :---: |
| 38 | 35, Port Hawkesbury; 36, Port Hood; 37, River John; ${ }^{\text {, }}$, Sheet Harbor, 39, Shelburne; 40, Sherbrooke; 41, Springhill; ${ }^{\text {d }}$ Stellarton; 43, St. Peter's; 44, Sydney; 45, Tatamagouche; ${ }^{\text {Th }}$

Truro; 47, Upper Stewi Willowdale; 51, Windsor; 52, Wolfville; 53, Yarmouth.
85. (a) Application for admission to the Provincial School examination must be made on the prescribed to the Inspector within whose division the examinat station to be attended is situated, not later than the day of May.
(b) Candidates applying for the Grade IX examinationt of for the next grade above the one already successfully pris by them, shall be admitted free. But a candidate who not passed Grade IX must have his application for pith companied by a fee of one dollar; if he has passed nitied IX nor X the application for XI must be accomp n or two dollars; and if he has passed neither IX, by the application for XII must be accompanied dollars. The candidates who are entitled to free tion are only those who pess the different grade exall tions in consecutive order.
(c) For the Teachers' Minimum Professional $Q^{u}$ Examination a fee of two dollars is required; but not be forwarded with the application, for it has be examination. The Deputy-Examiner shall transint same to the Superintendent with his report.
(d) The prescribed form of application, which tained free from the Education Department Inspectors, shall contain a certificate which must by a licensed teacher having at least the grade of $\mathrm{sc}^{\mathrm{ct}} \mathrm{m}$ ship applied for by the candidate whose legal nat for be fully and plainly written out on the appli
(e) When a candidate presents himself for examina his name is not found on the official list as gular application in due time, the Deputy admit him to the examination provisionally on his statement that application was regularly made in which with a fee of one dollar, is to be transmitted Deputy's report to the Superintendent. date's statement is verified the dollar shall

Examiner may admit any candidate on the payment of one dollar for any Grade in addition to the regular fees required under Reg. 85 (b).
(f) The prescribed form of application is given in schedule B.
${ }^{\text {Ed }} 8$ 86cation . Each Inspector shall forward, to the Superintendent of $\mathrm{f}_{0}$ each eation, not later than June 1st, a list of the applications received on the grade of examination at each station within his division, said forms prescribed form supplied from the Education Office. The shall forms properly filled in, together with all fees duly credited promptly forwarded to the Education Office.
tendent The Deputy-Examiner, when authorized by the Superinassistants, Education, shall have power to employ an assistant or ${ }^{\text {so }}$ employed. who shall each receive two dollars per day for the time
${ }^{\text {pared }}$. The Superintendent of Education shall cause to be preation ind printed suitable examination questions for each examin$f_{0}$ in accordance with the regulations of the Council, and shall together to each Deputy-Examiner a sufficient supply of the same sary for with copies of such rules and instructions as may be necesthe due conduct of the examination.
${ }^{\text {questions }} 89$ The maximum value of each paper shall be 100 ; the the valus being made as nearly as possible equal in value. Should $\mathrm{margin}_{\text {of }}$ of questions be unequal, they shall be stated near the each question.
 the Examiner for specially good writing.
${ }^{4}{ }^{n}$ der ${ }^{9}$. The "High School Pass" on all grades shall be as defined year. Reg. 154-the "High School Program"-from year to $154{ }^{92}$ the "The "Teachers' Pass" shall be as defined under Reg High School Program",-from year to year. grade. (a) Candidates failing to make a High School pass in the
neext applied for shall be ranked as making a High School pass in the
below grade below, provided an average of 40 per cent with no mark
Prowised be made; and as making a pass on the grade second below,
an average of 30 per cent. be made with no mark below 20 .
(b) Candidates failing to make a 'Teachers' Pass in the $g_{p a y s}^{g^{2 d}}$ applied for shall be ranked as making a Teachers ceth in the next grade below, provided an average of 50 per be made with no mark below 30; and as making a Tead Pass on the grade second below, provided an average per cent be made with no mark below 25 .
94. Each candidate, provided no irregularity has been ed, shall receive from the Superintendent of Education a cer containing the examination record in each subject. date has made a "High School Pass," the certificate title "High School Certificate,", and show the grade obtail under the arms of the Education Department; but candidates ${ }^{\text {fal }}$ ing to pass shall receive an equally detailed statement of th examination record on the various subjects.
 order shall be admitted free to the regular Provincial High Examinations, provided their application and procedure have ${ }^{(b)}$ regular. In all other cases a scale of fees as given in 85 (b) ab abl $^{\text {bo }}$ has been fixed to cover the cost of examination and extra likely to be incurred.
96. The suijects, number and values of the papers for th different examinations, and the general scope of examination tions, are indicated generally by the texts named in the pretion High School Program. Examination may demand descrip ${ }^{\text {tit }}$. ${ }^{\text {P. }}$ drawing as well as by writing in all grades of High School and

## Provincial Examination Rutes.

97. No envelopes shall be used to enclose papers. is the time allowed for writing each paper, except in the case ${ }^{\text {e }} \mathrm{f}$ the M. P. Q. examinations, where the time allowed for each paper be one hour. The following rules must be exactly observed:
(1) Candidates shall present themselves at the exan in ${ }^{\text {an }}$ tid room punctually half an hour before the time set for the of the grade for which they are to write, at which time the examiner shall give each candidate a seat. The candidate's shall be represented by a number, and must be therefore ${ }^{\text {ne }}$. $\mathrm{b}^{\text {b }}$ forgoten nor changed. Candidates who present themselves iat be numbered from 1 onwards in consecutive order (withou t for absent applicants, who cannot be admitted after the num beginning with grade XII, then coming to XI, X and IX in Candidates for "Supplementary" examinations need not pref tive table, provided they have sent in their applications and of the papers on which they intend to write.
(2)
examinatidandates shall be seated before the instant at which the a minute $h$ is fixed to begin. No candidate late by the fraction of and any has a right to claim admission to the examination room, aminat candidate leaving the room during the progress of any examiner must first hand in his or her paper to the deputy exher, and not return until the beginning of the next paper. mathem Candidates shall provide themselves with pens, pencils,
supplyatical instruments, rulers, ink, blotting paper, and a fiphty of good, heavy foolscap paper of the size thirteen inches by

Whe (4) Candidates may write upon botlo sides of their paper. Each more sheets than one are used they must be fastened together, Order to seet should bear the Candidate's grade and number. In ${ }^{c}{ }^{0}$ concise ansure high values from examiners neat writing and clear, ${ }^{c o v e r e f}$ answers are much more important than extent of space or the number of words used.
ing, (5) Each such paper must be cxactly folded. First, by doublhig, bottom to such paper must be exactly folded. First, by doubl-
the ens); top of page, pressing the fold (paper now $6 \frac{1}{2}$ by 8 the fold flext, by doubling again in the same direction, pressing flat so as to give the size of $3 \frac{1}{6}$ by 8 inches. leter, there must be written in very distinct characters, 1 st, the $V_{\text {a cand }}$ indicating the written in very distinct characters, 1 st, the
"xame; 2nd, the candidate's number, and 3rd, a stather shall afterwards place the private symbol indicating the
be mean, shat mined Writtedately underneath this space and close to it should Shor example, candidate No. 18 writing for
endorse his paper as shown below:-

|  |  |
| :---: | :---: |
|  |  |

(7) The subject title, grade and candidate's number may bul written within, over the commencement of the paper also; any sign or writing meant to indicate the candidate's name, stare it or personality may cause the rejection of the paper before even sent to the examiners.
(8) Any attempt to give or receive information, even $\operatorname{shol}^{10}$
 a candidate, or within his reach during examination, will con dep th a violation of the examination rules, and will justify the dismisid examiner in rejecting the candidate's papers, and dismistled ${ }^{\text {to }}$ from further attendance. No dishonest person is ent dishop ${ }^{6}$. provincial certificate or teacher's license. And where dy obtal at examination is proven, provincial certificates already
(9) It is not necessary for candidates to copy papers ${ }^{10^{8}}$ count of erasures or corrections made upon them. Neat correct or cancelling of errors will allow a paper to stand as high estimation of the examiner as if half the time were lost in it. Answers or results without the written work necessary ${ }^{\text {to }}{ }^{0 / 0}$ them will be assumed to be only guesses, and will be valued ${ }^{2}$ ingly.
(10) Candidates are forbidden to ask questions of the dep examiner with respect to typographical or other errors sometimes occur in examination questions. The examines sidity paper alone will be the judge of the candidate's ability as $^{\text {a }}$ a
by his treatment of the error. No candidate will suffer for not his own.
(11) Candidates desiring to speak with the deputy ex and will hold up the hand. Communication between examination, even to the extent of passing a ruler or makiation is a violation of the rules. Any such necessary communica be held through the deputy examiner only.
(12) Candidates should remember that the deputy without violation of his oath of office. No consideration friendship
(13) Candidates intending to apply for license up on ic a ${ }^{\text {a }}$ made at this examination, should fill in a form of app such license as is expected. The do puty examiner is $p$. blank forms for those who do not already have the m . cant should have his certificate of age and character station out and signed, and should fill in the number,
of any
successful previous examination he has taken, whether he has been fill in his nut al in obtaining a certificate thereon or not. He should also M. P. Q. number, station, etc., and grade of certificate or rank of will be expected. This latter should be placed in brackets, which to be obtaerstood to mean that it is not yet obtained but is expected obtained.
following All candidates will be required to fill in and sign the in wing certificate at the conclusion of the examination, to be sent with the last paper:-

## Certificate.

Examination Station. . . . . . . . . Date . . . . . . . . . . . July, 190.. ..

## Candidate's No. ( )

have I truly and solemnly affirm that in the present examination I Paper not used or had in the Examination Room, any book, printed subject portfolio, manuscript, or notes of any kind, bearing on any sought of examination; that I have neither given aid to, nor hot wilfully received aid from, any fellow-candidate; that I have honestly fy violated any of the rules, but have performed my work and in good faith.

> Name in full)

$$
\begin{aligned}
& \text { (Without any contraction in any of its parts). } \\
& \text { P. } 0 . \text { to which memo. or certificate is to be sent. }
\end{aligned}
$$




## 98 (b). TIME TABLE.

M. P. Q. Examination, July, 1909.

Saturday.

Time a. m.
Subject.
9.00 to 10.00 1. Sehool Law and Forms.
10.10 to 11.10 2. Theory and Practice.
11.20 to 12.20 3. Hygiene and Temperance.

Time p. m.
2.00 to 3.00
3.10 to 4.10
4.20 to 5.20
4. School

Subject.
5. Historyo
6. Pedagogy.

Grade XII Examinations, 1909.
There will be no grade "A, Preliminary" examination in in the There will be (1) the new grade XII examination, (c), (d), (e), and (f) are republished from the Aprill
NAL. $98(\mathrm{~g})$ is a new regulation, passed October, 1908.
98. (c) Candidates completing their old " $A$ " examinations may do do to the regulation 98 (c), September, 1907. The program of examinat same as in 1908.
their 98 (d) Candidates who have passed grade XII "Preliminary," may complete
"Final" course in July, 1909, under the regulations of September, 1907, by taking the on the program of that year.
98 (e) Candidates entitled according to the foregoing Regulations to complete of examina", or take their 'Final" grade XII, must report their purpose, the subjects before the 15 th and the station desired, to the Superintendent of Education, on or Regular the 15 th of January, so that provision may be made for the examinations. application must also be made before the 24th of May to the Inspector.
${ }^{\text {of }} \mathrm{G}^{98}$ (fade ${ }^{\text {(f) }}$ II, Candidates who made a' 'partial" pass, or a pass on the "'preliminary,"
(and for 1909 , who elect to take the new regular examinations of Grade XII in 1909,
previously on only), can have placed to their credit, any marks, 50 or above, made
${ }^{0}$ complete the course corresponding to those of the new regular Grade XII, in order course.
the Also, candidates may complete their old "A" or (irade XII course, by making ofar as the on the corresponding subjects or papers of the new (regular) grade new program.
$98(\mathrm{~g})$ Teachers of at least five years service who have writhigh the "A Preliminary," or who have been employed in doing the school work, may take the "Old A" examination in 1909 ,
lit is iss to be 1000 on twenty papers, none to be lower than 25 . the " not proposed to give any further opportunity for passing old A" or the "A Final."
99.

Optionat, Examination in Music, Etc.
(a)

At the County Academy Entrance Examination and the Teacher's Minimum Professional Qualification Examination, Candidates who have taken London Tonic Sol-Fa certificates can for the question in music substitute their certificates for Which values will be given as follows:-For "Junior" certificate, 10; for "Elementary" certificate, 15 ; and for "Intermediate" certificate, 20-the last two for M. P. Q. only. the No. of the question on music in his examination paper, the words, "Junior Certificate," or "Elementary Certificate," or "Intermediate Certificate," as a reference to the fact that such a certificate has been handed to the deputy examiner, bearing on its back the name, and address, and examination number and station of the candidate plainly endorsed upon compared with his list to verify the correctness of the endorsation by the candidates, then enclosed in one envelope addressed, in the naidates, Prinessed, in the case of the Academy Entrance, to the cipal, and in the case of the M. P. Q. to the Superintendof Education, who, after perusal, shall return them to
(d) The Principal or the Superintendent, as the case may be, shall then endorse 10,15 , or 20 points (according to $a$ ) on the examiner's report on the candidate's paper below the general valuation number and add the two together for the total value of the paper.
(e) To prevent the possibility of two values being given by accident, the examiner of a paper in which a certificate is substituted for the question, shall mark the general value of the paper with an asterisk, both on the paper and on p is report.
(f) No certificate from any local examiner of the Londor Tonic Sol-Fa College shall be accepted, unless the examiner has previously given a satisfactory proof to the Principal or Superintendent that he or she has been duly appointed as local examiner for the grade of certificate in question by the authorities of the said College.
(g) At the County Academy Entrance Examination the certificate of Attendance for a year at a Mechanic Science school, or a Domestic Science school, can be accepted for the answer to a question on the subject in like manner as the "Junior Tonic Sol-Fa certificate-value from 0 to 20 , according ${ }^{t}$ the character of the candidate's worth.

## Licensing of Teachers.

100. No person can be a teacher in a public school ntt $^{t^{\text {te }}}{ }^{\text {d }}$ to draw public money without a License from the Council of Publi Instruction. Before obtaining a license a candidate must obtain first, a certificate of the prescribed Grade of Scholarship; sect ither the prescribed certificate of professional Rank as a teacher, ${ }^{\text {et }}$ le from the Provincial M. P. Q. Examination (which must be supped mented for all classes higher than third class, by the prescripl certificate of ability to give effective physical training to puplifio or the Provincial Normal College; and third, the prescribed cer ${ }^{11^{\circ}}$ cate of age and character from a minister of religion or two the tices of the Peace. The value of a license is distinguished by term Class; of scholarship by the term Grade; of professiving skill by the term Rank. Full information as to the licers fol will be found in Regulations 101 to 114 inclusive, but the the ${ }^{\text {it }}$ lowing collocation of the terms used will help to explain significance and relation:Generally,
(I)
"Teacher's Pass Scholarship,"
 Normal Diploma. .. 22 y $^{\text {ars }}$ to Academic Head Master. .... University Graduation .Academic. ........ 22 yeark ${ }^{\text {ars }}$ etc.

 Class D " ......Grade IX...............Third Rank........ 16 y years ${ }^{\text {¹ }}$ Class D (Temp.) " .......Grade IX.............................. P. Q.).

The following are the exact requirements for the licensing of
teachers:-
101. No diploma of the Provincial Normal College shall be awarded any candidate who is found defective (below $40 \%$ ) in the scholarship of any of the subjects of the Provincial Program taken in the corresponding grade, until the Faculty is satisfied that Creditable proficiency has been made in each such subject.
102. When a candidate obtains a teacher's license without graduation from the Provincial Normal College, it can be only of a class one degree lower than the "teachers' pass" grade of scholar-
ship.
103. Graduation from the Provincial Normal College will Haclude the prescribed certificate for Physical Training. No perthinent license higher than third class shall be awarded without is qualification after 1908.
104. No certificate, combination of certificates, nor any other qualification except the possession of a lawfully procured License the a person authority to teach under the law in a public school. lows;- regulations governing the issuance of licenses are as fol-
be 105. The permanent Licenses of Public School teachers shall under the Seal of the Council of Public Instruction signed by the the ctary of the Council, shall be valid for the whole province during me good behaviour of the holder, and shall be granted on the fulfilregulat the three conditions more fully specified in the succeeding age ations, namely: the presentation of the prescribed proof of (1) and character, (2) scholarship, and (3) professional skill.
designo. There shall be five classes of such licenses, which may be ated as follows:-

Academic Class-Academic Headmaster.
Class A-High School Master.
Class B-High Schoos
Class B-First Class.
Class D-Third Class.
be 107. The certificate of professional qualification of skill shall
$N_{\text {o }}$ a) the academic, first, second or third Rank classification by the
lownal College, or (b) the minimum (which shall rank one degree
ther than the normal), and shall be the academic, first, second or
third rank pass on the following papers written on the Saturday of
Provincial Examination week.

## MINIMUM PROFESSIONAL QUALIFICATION EXAMINATION.

The questions set for the minimum professional qualification examinations shall be on the following syllabus, and may require free hand drawing in any question when desirable:-

1. School Law and Forms.
(a) The acts of the Legislature and Regulations of the Coult cil of Public Instruction bearing on public education, in their latest amendments, and a knowledge of the way ${ }^{\text {id }}$ which the law is to be administered.
(b) The proper keeping of the School Register, the making out of neat and accurate school Returns, and a knowledd of all the ordinary forms required by school boards in $\mathrm{a}^{d^{-}}$ minstering the affairs of the section-
2. Theory and Practice of Teaching,

As in Calkin's "Notes on Education," or any equivalent.
3. Hygiene and Temperance.

As in Lyster's "School Hygiene," (Univ. Tutorial Pre ${ }^{\text {s5 }}$ )" the education Act and Regulations, and the text books $\mathrm{p}^{\text {pe }}$ seribed for the public schools.
4. School Management.

As in Lectures on Teaching, by Sir Joshua Fitch.
5. History of Education,
As in Monroe's "Brief Course" (MacMillan Co.)
6. Pedagogy.

As in Bagley's The Educative Process.
For Third Rank M. P. Q.-An aggregate of 150 on 1,2 $2 n^{d^{3}}$ with no subiect below 30 per cent.
 and 5 , with no subject below 40 per cent, and with the scribed certificate of physical training.

For First Rank M. P. Q.--An aggregate of 300, on 1, 2, 3, 4, and 5 , with no subject below 50 per cent, and with the prescribed certificate of physical training.
4, For Academic Rank M. P. Q.-An aggregate of 360 on 1, 2, 3, scribed 6 , with no subject below 50 per cent, and with the prescribed certificate of physical training.
108. The Provincial Normal College at Truro is recognized as the appropriate source of certificates of professional qualification for public school teachers; but the certificates of other Normal or teachers' training schools whose curricula may be satisfactorily ${ }^{\text {shown }}$ to the Council to be at least the equivalent of those of the Provincial Normal College, may be accepted when qualified by the
addition addition of the thrce following conditions: (a) a pass certificate of the Provincial "minimum" professional qualification examination of the corresponding rank, (b) a certificate of a Public School Inspectder, before whom or under whose supervision the candidate has $\mathrm{h}_{\mathrm{is}}$ monstrated by the test of actual teaching for a sufficient period the or her qualifications for the class of license sought, (c) and prescribed certificate for Physical Training.
had In the case of candidates whose course of professional training elass been completed before the grade of scholarship necessary for the be iss of license afterwards applied for was obtained, no license shall cate of is until after the lapse of a year from the date of the certifiCate of high school grade required for the said license.
the foll. The prescribed certificate of age and character is given in suppllowing blank form of application for license, which will be Inspect to candidates by the Edducation Department, through the aspectors or the Principal of the Normal College:-

Form of Appitcation For a Teacher's License. $T o$.

Inspector of Schools, Division No.........Nova Scotia.
Council hereby beg leave through you to make application to the of Public Instruction for a 'Teacher's License of Class
${ }^{\circ}{ }^{0}$ ditiond herewith I present evidence of compliance with the prescribed, namely:-
tached, The prescribed certificate of age and character hereto atwhich I affirm to be true.

$$
\begin{aligned}
& \text { at. M. My certificate of Scholarship......................tained } \\
& \text { year } 190 \because \text { in the } \\
& \text { (Further information below.) }
\end{aligned}
$$

III. My certificate of professional qualification of Rank No........ obtained at.............. . 190..... in the month of
 (Name in full)
(Post Office address)
Date

## Certificate of Age and Character.

I, the undersigned, after due inquiry and a sufficient knowledge of the character of the above named candidate for a Teacher's License, do hereby certify:-

That I believe the said candidate day of.......... ${ }^{\text {d }}$ in full), was born on the

That I believe the moral character of the said candidate is good, and such as to justify the Council of Public Instruction in assurnipg that the said candidate will be disposed as a teacher to "inculcate by precept and example a respect for religion and the princip ${ }^{\text {p }}$ of Christian morality, and the highest regard for truth, justice, fore of country, loyalty, humanity, benevolence, sobriety, industry, frub gality, chastity, temperance and all other virtues. "
(Name and titte.) (Church or Parish). (P. O. Address).

## Date

(When the certificate given above is signed by "two Justice " 1 " the Peace" instead of a "Minister of Religion," the word "ture should be changed by the pen into "we", and after the signaturn on the second line the words "Church or Parish" should be ${ }^{\text {ald }}$ celled by a stroke of the pen.)

The correct quotation of the High School certificates in II, abov the will be considered as equivalent to its presentation. When $\mathrm{sta}^{\circ}$ candidate makes application at the High School Examination be tion, the grade or rank of certificate written for and expected mayder entered, but shall be enclosed in a parenthesis, which will be $\mathfrak{u l}^{\text {der }^{-2}}$ stood to indicate the expected result of the Examination.

The correct quotation of the Provincial M. P. Q. Certificate or the Provincial Normal College Diploma in III and the Physical Training Certificate in IV above, will be considered as equivalent to its presentation.

Any certificate from Normal Schools, etc., which are not regularly recorded in the Education office, must accompany this apPlication as evidence of the correctness of the statement.

## Further Information from Applicant.

## 1. Class of license already held........ . No . . . . . . . Year. . . .

2. University Degrees, Scholarship, Professional Training,
experience, or any other information candidate may wish to state.
that 3. Provincial High School Examinations taken in addition to
was specified in II above, whether a "High School Pass" certificate "I IS obtained or not (necessary to prove that the candidate made a Teachers' Pass" in the lower grades).

$G_{\text {Emeral, or Special, Indorsation or Remarks by Inspector }}$ (or Principal، of Normal College.)
$\mathrm{Place}_{\text {and date }}$

## ACADEMIC HEADMASTER'S IICENSE.

of TRegulations 110 (a), (b) and (c), as published on page 137
followJournal. of EDUCATION, April, 1908, are repealed and the
fowing substituted.
following are the requirements:- ${ }^{110}$. 1.

A certificate of moral character signed by a Minister of Religion or two Justices of the Peace, as in the prescribed form, to the effect that the candidate is of the full age of twenty-two years, and presumably likely to perform the duties required by law.
2. A recognized degree from a recognized University ( 10 degree or University shall be recognized unless the course is proven to be one of at least four years following a PrO vincial High School Pass of Grade XI., or a matriculation standard shown to be its virtual equivalent); and a pass ${ }^{*}$ on a testing post-graduate examination of University grade.
3. A certificate of Academic rank from the Provincial Nor mal College. (In the awarding of this certificate, the Faculty of the Provincial Normal College may accept ${ }^{\text {at }}$ their true value the certificates of Normal training schoo ${ }^{1 s}$ of the Education Faculties of Universities, and of Inspe ${ }^{\circ}$ tors, in lieu of a portion of the minimum attendance pre scribed by the Council, provided (i) the candidate ${ }^{11^{95}}$ made an Academic pass on the M. P. Q. syllabus, (ii) obtained the prescribed Physical Training Certificat (iii) has taught successfully for at least two years, one of which must be as a full teacher in a department of hig school grade, and (iv) has demonstrated satisfactory $\mathrm{pr}^{0^{\circ}}$ fessional proficiency in the art of teaching before the Normal Colle Feulty by whom the candidate shall $a^{15^{5}}$ be examined viva voce.)
110 (c). For a Class A. or High School Master's Lic $\mathrm{c}^{15^{\text {se }}}$ (ranking as the equivalent of Class $A 3$ of the regulations of the Council in 1908) the following are the requirements: (1) ter certificate of the full age of twenty years, and moral charab Gade $^{\text {d }}$ as in the foregoing regulation. (2) A pass certificate of XII. (3) A certificate of Academic rank professional qualifica tion from the Provincial Normal College.
111. For a Class B or First Class License, the following $c^{111}$ ditions are necessary: (1) A certificate of the full age of nind ${ }^{\text {ted }}{ }_{(2)}^{(2)}$ years, and moral character as in the foregoing regulation. cer A teacher's pass certificate of Grade XI. (3) A teacher's ${ }^{\text {cial }}$ tificate of first rank professional qualification from the Provin Normal College; or a Teachers' Pass certificate of Grade with a first rank M. P. Q., including the prescribed Physical Traip ing certificate.
112. For a Class C or Second Class I icense the following cond tions are necessary:-(1) A certificate of the full age of eight ${ }^{\text {tel }}$ years and moral character as in the foregoing regulation. (2) Teachers' Pass certificate of Grade X. (3) A certificate of securer rank professional qualification from a Normal College; or a Teach the Pass certificate of Grade XI, with second rank M. P. Q., and ${ }^{\text {th }}$ prescribed Physical Training.
*Regulation 110 (b) showing the detailed syllabus of this pos pio graduate examination will be found following the High School gram on subsequent pages.
113. For a Third Class or D License the following conditions are necessary:-(1) A certificate of the full age of seventeen years and moral character as in the foregoing regulation. (1) (2) A Teachers'
$\mathrm{P}_{\text {ass }}$ certificate of Grade IX. (3) A certificate of third rank pro-
lession $^{\text {(1) }}$. ${ }^{\text {Pessional }}$ certificate of Grade IX. (3) A certificate of third rank pro-
$\mathrm{P}_{\text {ass }}$ " qualification from a Normal College; or a "Teachers" certificate of Grade X with third rank M. P. Q.

## Temporary Iticense.

114. A Third Class (Temp.) or I) (Temp.) License, valid only one year, may be granted (but not previous to the 15th day of foilowinger in any school year) on regular application when the ollowing four conditions are fulfilled:--(1) A certificate of the full tion sixteen years and moral character as in the foregoing RegulaReg. (2) A pass certificate of at least Grade IX as in the foregoing tion ${ }^{\text {gulation, (3) The Third rank minimum professional qualifica- }}$
(4) A recommendation of the candidate as a temporary
becher for a specified school by the Inspector who must previously able efsured by the trustees of the said school that, although reasonNlass, effort was made to employ a regular teacher of permanent
acce, One could not be obtained, and that the candidate would be
${ }^{\text {Licentable }}$ to the school section as a teacher for the year. Such can be re-issued for another year when the candidate
at ${ }_{2}$ demonstrated an advance of grade or rank in his qualifications ${ }^{\text {a }}$ subsequent Provincial Examination.

## Special School, Days.

entirely. It has been found very inspiring to devote certain days to some special object the demonstrative effect of which made much more intensive than that of the same time up into a routine of short fragmentary lessons spread over eks. Such occasions when managed properly, are of more
teaching effect than the ordinary routine day. In fact, erwise, for they involve extra labor on the part of the teachgenerally also on the part of the pupil.
objective lessons in tree planting, and the study of tree growth, ${ }^{\prime}$ for such objects the following directions are given:
(a) On such day of May as according to season, weather of other circumstances may be deemed most suitable, trusters are authorized to have substituted for the regular schoo exercises of pupils, the planting by the latter of trees, sirtu and flowers, on the grounds surrounding the school housed The day devoted to this purpose shall be known and enterd in the register as "Arbor Day", and when duly obser bic full credit will be given for it in the apportionment of $\mathrm{pasec}^{40}$ funds, on the basis of the actual attendance of pupils as ${ }^{\text {a }}$ ther tained by roll call at the beginning of the exercises or convenient time during their progress. Additional valur ${ }^{20}{ }^{\circ}$ and interest should be imparted by mingling with the $\mathrm{p}^{\text {r2 }}$ her tical duties of the occasion short addresses from the tean and other competent persons on the æsthetic and ecor visit importance of arboriculture. During their summer actiob ation, inspectors shall take note of all schools in conne with which "Arbor Day" has been observed.
(b) Teachers who have been able to observe this day in 1 ufse on $^{\text {b }}$ ful manner are recommended to make a special report wotb the same within a week to the inspector, specifying the whe done on the occasion, and its prospective influence on 1 section. From these statements inspectors can have fipe thedetails necessary for their annual reports to the supe tendent of Education.
(c) There will be found subjoined some practical suggestiol $\mathrm{cc}^{\mathrm{c}^{8}}$ which will be serviceable to those who wish to make the $\mathrm{oc}^{\mathrm{cs}^{8}}$ sion a really profitable one.

1) In selecting trees, it is well to avoid those that beer flowers or fible from as such in the flowering and fruiting seasons are apt to meet with injury huts and or mischievous passers-by, and to offer temptation to the pupils. Buthe poject chestnuts are not to be commended as shade trees. The batsam fur is ouds or fide from the liability of its balsan to stain the hands and clothing. Decid a onmat leaved trees are easily grown, their filrous roots rendering transplanting a de and ly simple operation. If care is taken, the young saplings of the eim, mapleydty. found in the undergrowth of the forest, can be transplanted without
(2) No school gromuds should be without a suitable nomber and variety are an standard deciduous trees. However, during the winter season evergreens , fis ${ }^{4}{ }^{6} 10$
 spruces, pines, hemlocks and cedars, retain their foliage and provide in winter as it is grateful in summer. Trecs should always be planted acco aird to definite plan, being arranged either in curves or in straight lines, They should placed so near the schoolons relation to the building and fences. of light and air-
(3) Our native trees grow so freely in the woods that we are apt to supp sup $^{5}$, are merely to be taken up by the roots and transplanted, to start at once into dig $^{\text {a }}$, if growth as before. This is a mistake. Great care should be taken in digg ${ }^{10}$
knife $^{\text {fo }}$ to preserve the fibrous roots; long rumers should be cut across with a sharp
to clay. and not torn. All trees thrive best in well-drained soil, varying from sandy loam
made beforlay loam suits all descriptions. The holes for the trees should always be
two small. Ine trees are brought to the ground, and should be too large rather than
tha to be In filling in, the better soil from near the surface should be returned first,
ould be nearer the roots, but where the soil is at all sterile, and generally, there
Pod sandy put below and round the roots some well-rotted compost, mixed with sand,
Would be paam, in order to promote the growth of the rootlets. In setting the tree it
Wif that placed a little deeper than it stood before, and the roots should be so spread
then in suohe a are doubled. When finally planted the tree should be tied to a stout
it ${ }^{\text {m }}$ be theh a way as to prevent chafing the bark. Nome mulch or stable litter should
Wheferred by around the stem to prevent the roots from dronght. Stirring the ground
be held not by some cultivators to mulching. In transplanting evergreens, the roots
belped be exposed to air or light-espectally the heat of the sun-more than can
effect Several varieties of shrubs planted together in clumps protuce a very pleasing
Mot, While the care of of judiciously arranged flower beds will be to the ehidren an means of elucation.
141

> Empire Day.
(a) The establishment of this day followed a recommendation of the Dominion Educational Association at its third trien$\mathrm{p}_{\text {ul }}$ convention which met in Halifax. The Council of Public Instruction of Nova Scotia adopted the recommendation immediately after, on the 18 th of hugust, 1898, appointing as "Empire Day" the school day preceding the holiday Commemorating the anniversary of the birthday of Queen Victoria, under whose reign the Empire so widely and harEnoniously developed. This was the first institution of Empire Day by any Education Department.

Metiotion, Ontario, Noth.-On the 2nd of December, 1897, Mrs. Clementina Fessenden o eafducay. Subsequently this and other school boards adopted her suggestion that botiotication Departmenty of ontario be asked to set apart one day each year as a ucanden. The Hon. G. W. Ross, then Minister of Education, arranged, after ${ }^{4}$ deationence with the Superintendent in Nova Scotia, then president of the Dominion foy should Association, that it should be proposed to the I. F. A. to recommend that of Pry holiday ixed for the day before Victoria lay, the 24 th of May, which is a of Hereideliday in all Canadian schools, and that it should he called "Wmpire Day." The usic, Hent in his opening address, on the 2md of August, 1898, in the Academy by non tontion ac, presented the proposal, and read the absent Iton. Minister's plea. What the se accordingly before its close, on the 5th August, recommended "Empire of Nova Seral education departments of the Dominion. It was promptly adopted Scotia as indicated above, with the following instructions to the public
(b)

The object of the day is the development of the Empire idea with power, by a more dramatic and impressive demonstration than would be possible in the routine method of
teach more dramatic and impressive demonteaching necessarily characteristic of the most of the work of the school. No set method is prescribed. Local orators may be utilized in short and appropriate addresses to the pupils and their parents. Teachers and pupils should take part in as effective and in as varied manners as possible from Year to year. As a rule it is preferable to have it an exercise
open to the public of the locality in the afternoon, the for ${ }^{2}$ noon being devoted to phases best treated in the school room It is one of the days when the school flag should be flying?
(c) The exercises should not be directed to develop boast fult ness in the greatness of the Empire. They should be a study of the causes why it became great, and how it may contint to be great; of the history of the rise, growth and allian ${ }^{20}$ of its different peoples, of the evolution of the elastic systerin of self-government, and of the development of that spir of Empire unity which is a new thing in history as the all pire's extent is in geography. And most important of ${ }^{\text {a }}$ 点 the excrcises should be an inspiration to stimulate all to fied how they may furt her reinforee the good tendencies and thein the distant members of the Empire more closely toget hertin the bonds of reciprocal helpfulness as well as of sentitit love.
(d) As in the case of Arbor Day, all worthy teachers ard ${ }^{\text {es }}$ pected to file a report on the exercises of the day, no how brief, with the inspector of his or her division.

## PUBLIC SCHOOL SANITATION.

## (From Jonanila of Ejuchtion, Ocomber, lgon.) <br> PROVINCIAL HEALTH OFFICER'S CIRCULAR TO PUBLIC SCHO ${ }^{L^{\text {S. }} \text {. }}$

To the Teacher:-- .
The poisons of some of the common and also of some of the most 10 ath an eases are frequently contained in the month. In such cases anything which is ${ }^{n}$ by the sativa of the infected person may, if it touches the lips of another, The more direct the contact the greater the danger.

It is the purpose of health ollicials to keep, in isolation all persons hat wing tive municable disease during the time that they are infectious. impossible. Little restraint is put on certain mild diseases as measles, wh th cough, chicken pox and mumps, and even such diseases as diphtheria, sficted and tuberculosis are frecpuently so milit as to be unnoticed, and children one of the them mingle freely with others. It is probable that in such cases one vehicles of contagion is the socretion of the mouth and nose. It is believed But if can be done to prevent contagion by taching habits of cleanliness. notice and struction is to be effectual it must be continuous. The teacher must formal violations of these mules as habitually as the violation of the more forma are corrected.

When the floons are swept, wet sawdust (not wet enough to wet the flogrt and be sprinkled on the floor in front of the broom, as it will collect the dust and wat and it from rising, leaving the floor clean and dry. The custom of sprinking falls the floor before sweeping is to be avoided, because where the drop of water $W^{\text {ben }}$ is fixed to the floor and is very imperfoctly removed hy the broom. dries it is but little better than it was before it received attention.

Ind The janitor or caretaker should at least onee a weok go over the walls, window lecting solutings, ledges, comers, cte., with a cloth danped (preferably in any disimmang solutions, evenes, comers, ote., with plain water, so as to remove all the athering dust. Cloth
to be very damp. the Eubj if the question of disease and contagon did not enter into the matter at all, Only t subject ought to be given more attention ly tachers. Our schools should not bey teach reading, writing and arithmetic, but it is perhatps cuite as important that bould be thin inculeate cleanliness, deconcy, refinement inul mamers. Cleanliness be taught for its own sake, even if it had no relation whatever to health.

## Cmbilen should be Taugh


infeting othe the tand down with a commumicable disease there will be lese danger of ng other pupils or things.
The They should also be tanght the reasons of the following rules, and carefully watehed

lig of the book lessons be delayed.
To be Placed in Every (lass Roon avo diven to Bumiy Prpile.

## Remember These Things.

$b_{0}$ b $_{0}$ not spit if you can help it. Never wit on a shatr, flow, or widewalk.
$D_{0}{ }^{\text {not }}$ not put the fingers into the mouth.
$\mathrm{D}_{0}^{0}$ not piek or wipe the nose on the hand or sleser.
Do not wet the finger in the month when turning the leaves of books.
$\mathrm{D}_{0}$ not put pencils into the mouth or wet them with the lips.
$D_{0}$ not put money into the mouth.
$D_{0}$ Hot put pins into the mouth.
hope not put anything into the mouth except ford and drink.
of $D_{0}$, or swap apple cores, candy, chewing gam, half eaten food, whistles or bean
${ }^{1}$ pron mot aything that is put in the month.
$W^{\circ}$ Oer trink out of the common drinking eup before allowing some of the water


A. P. REID, M. I.,<br>Drovincial Health Officer.

## TO SCHOOL TRUSTEES.

## (Dust and Dite in the Schoohroom.)

hinep, have disease. They have gathered it in schools, public buildings and dwelling and growe examined it under the microscope, adoled it to substances in which gelling dve have compared these germs with those known to cause different diseases,
to The fingest it to be one of the great disease carriers.
thend lightest dust which cannot be seen by the naked eye, or can only

sicknesed or to them, injected into the lungs or under the skin), with the result or death followed-according to the germs present.
than arsenic or strychnine, and injected under the skin of an animal causes it to did of tuberculosis in a few weeks. If the dust is breathed by a human being, he is verf likely to contract the disease and die.

 ed the starting point to a case of fatal illness without the parents, or per hap ${ }^{5}$ the physician, suspecting the true origin.

Nor is this all. Dust in any form, breathed in day after day for years, frit with and inflames the delicate tissues of the child's lungs, until like a well-ploughed, palded. manured field, they become a favorable growing ground, so that when gerins are pexth instead of being starved out as they often are in healthy tissues, they flouris ingly and the chilu sickens, suffers and dies.

These are not dreams but facts, proved many times over by men whose win lives are given to studying and fighting lisease, and I would earnestly ask succed pathy and help in seeing that the following rutes are observed, and hall have had reward.

## Directions for the Cleaniness of the school room.

I. Have the Schoolroom, Halls and Entries swept every day.

Note.-- Every good housekeeper sweeps her house every How much more necessary is it in a building whay
children are crowded together for six hours a of the section.
II. Raise the windows while sweeping, and keep them raised for sol time afterward.

Note - By keeping the windows open much of the dust wil blow out.
III. Before sweeping sprinkle the floor with damp sawdust; doll ${ }^{1 w^{l}}$ water.
Note- Sawdust is the best substance, and can generaty dubl easily obtained and kept in barrels. It keeps the ${ }^{\text {ep }} \mathrm{p}^{\mathrm{c}}$ from rising and settling again after the roonl is ${ }^{\text {s }} \mathrm{flol}^{\mathrm{d}^{4}}$ Sprinkling with water simply binds the dust to ${ }^{t}$ ready to rise again as soon as dry.
IV. At least an hour before school opens the schoolroom should fully dusted, especially the tops of desks, seats, window ledges, etc.
$V$. The schoolroom should be thoroughly scrubbed at least every
Note.- If scrubbing, perhaps every week, is necessary homes, how much more so in our schoolrides, there are so many to drag in dirt. Be grown even more dangerous to children than to grow
be wetted Once a year the walls, floors, desks, etc., should, after being scrubbed,
the wetted over with a mixture of carbolic acid and water, four teaspoonfuls of a pint of water.

Nore.- - Such a cleansing of the schoolroom would kill all germs, and if this could be done at the Christmas vacation (germs are more virulent in winter) it would go far toward the health of the school.

## To Teachers.

"asily Post a copy of the "Health Rules" for I'upils where it can be read.

Peference the practices therein condemned. Make frequent nee to them and, as far as possible, see that they are observed.
them Read carefully the "Circular to Trustees"-talk it over with assist in carrying it out.
the Try and persuade the physician of the section to impress upon
a ratepayers the connection of dust and dirt with disease, and to ${ }^{10}$ ond.
$G_{\text {et }}$ See that the water bucket is thoroughly scrubbed every week. cover for it in order to keep out the dust.

## NOTES ON "HEALTH RULES FOR PUPILS."

Thet The following brief notes are given so that the teacher can explain and apply the $\theta$ intelligently.

Hh a ${ }^{\text {a }}$ sticks l passage from the nostrils to the lungs gives off and is constantly wet dermorgn secretion, the object of which is to strain the dust, disease germs and bubstances from the air before it reaches the lungs. It will be readily secretion, even from a healthy person, might contain disease

Both paper money and coins are capable of carrying dangerous gems. Remend bering that money is frequently handled by persons affected with the most loathso diseases, the necessity of this rule will be at once understood.

The intelligent temener will be able to apply the principles given above to all the rules, and show the pupils the great necessity of observing them.

To the Teacher - - The carrying out of the directions for the cleanliness of the schoolrocm and the health of the pupits dependis almost entirely on you. Let your own desk be a model of dean ior ness and neatness. Put into practice yourself the rules givent wid pupils. Your example in these respects will carry more weld with the pupils than anything else.

Should your schoolroom become dirty, or the outbuilding and premises be in an mandary condition, through the neflech of the trustees or those in charge, do not fail to report to your ${ }^{\text {[14 }}$ spector at once.
[From the Journal of Education, Sclober, 190:3]
The Duties or the School Teacher in the Combat of Tubrich culosis as a Disease of the Masses.
The following paragraphs are taken from a lecture de five fid before the Teacher's College of the Columbia University of p . ${ }^{\text {d }}$ city of New York, 9.5 Fh February, 1903, by S. A. Knopf, M. New York City, IIon. Vice-Iresident of the British Congt ${ }^{\text {es }}$ Tuberculosis, etc., cte.

The subject is so important, and the authority so weif ${ }^{\text {aty }}$ that the full lecture would be republished, were the journ ${ }^{\mathrm{s}^{\text {L }}}$ already too large.

These extracts are full enough, however, to give an $\frac{u^{4} u^{4 i m}}{}$ view of the subject as a whole, and special directions which jist ${ }^{\text {le }}$ teacher should observe, as well as the other instructions $p^{\text {bl }^{\text {b }}}$ in the Journal, respecting the health of the schools.

Candidates for the M. P. Q. examination, or preparing graduation from the Normal College may be examined upont And all teachers are expected to be able to dentonstrate and $^{10^{10}}$ knowledge of the subject before the Inspector on the occ his inspection.

As to the prevalence of tuberculosis, particularly in its pulmonary form, $\frac{11}{11}$ say anything which is not known to every intelligent man and woman- tuberd have accustomed ourselves to the high death rate from pulmonaryartinique, sidering it as something inevitable. The recent great disaster at athy and ${ }^{\mathfrak{a}}$, ${ }^{\text {d }}$ 30,000 people died almost in an instant, caused the deepest syme of the Un 1,0 motion throughout the civilized world, yet the annual tribute world yields $\mathfrak{p p}$ in pulmonary tuberculosis is over 100,000 . Each year the world yields
${ }^{\text {enach }}$ day 3,000 .
 meritably individuals now peopling the United States more than $10,000,000$ must felathe every of this disense if the present ratio is kept up. According to some statisery sixth, and according to others, every seventh death is due to tuberculosis. Pulismonary tubereulosis, or consumption, is a chronie, infections and communicable
Hones. Catued by the presence of the tuberele bacillus, or germ of consumption in the borties, it is locally characterized by countress tubereles, that is of to says, smath rounded
th the shisible to the naked fye. The bacillus of tuberculosis is a minute organism
staining shape of a cylindrie rod, visible with a high power mieroseme only after certain
trder of reagents have been applied to it. This mieroorganism, belonging to the
Mierobe shizomyeeter or fission fungi, in the lowest seate of beretable lite is the specific
Prave of tuberentosis; without its presence there is no tubereulous disease. This
fise at the only gradually desterys he hatig substance through uleerative processes,
${ }^{\text {rise }} \mathrm{to}_{0}$ the same time gives off certan poisombus substances called toxins, which give Pations, and offen serious symptoms.
Pever The important symptoms of pulmomary tubereulosis are cough, ceppectoration,

ated it it sts, loss of appetite, hemorrhages, and emaciation. Ii the matier expectoit in offen possible to find the tuberele bacillus.
$\mathrm{H}_{0}$ may this germ of tuberculosis enter the human system?
the There are really three methods wherel) this germ maty conter, manely, by inhala-
tand that is, being breathed into the lungs; hy ingestion, that is being eaten with
of the through food; and by inoculation, that is, the penetration of tuberculons sub-
of the bropugh a wom in the skin. Let us treat first the most frequent method
Tonberelogation of tulserculosis, mamely, that arising from the indiscriminate deposit
Ohfer for to his sputum. A consumptive individual, even at a period when he is not
perfers it his bed, may expectorate enomoms quantitios of bacilli. By careful
So thay. Now been estimated to amomet in some individuals to about $7,000,000,000$
in that it how, if the expectoration, or spithe, is carelessly deposited here and there,
faden air may opportunity to dry und become pulverized. the least draught or motion
fortern mosplyere is certainly ce wosed to dhe and and the individual inhating this dust-
Row offers a fere is certainly cxposed to the danger of beeming tubereulous if his
Whath ofers a favorable soil for the growth of the bacilli. By "favorable soil for the
tr arily or pe bacilli" must be understoon, "any condition in which the body is tem-
lifegtimer permanently enfeebled. Such a condition may he inherited from parents,
ation or diseagh aleoholism or drunkemess, or other intemperate habits, through
It ${ }^{\text {Pr }}$ Peside the the dinger arising from carelessly deposited sputum or pitt the inhalation
minst his of the smatl particles of saliva which may be expelled by the consumptive
inst ahs atso called dry congh, when speaking quickly or loudly, or when sneezing, ,
 an. To comb and certainly the most active conperator of the deadly tuberele bacillus. hof thtreme alcoholism (drunkemess or intenperance) education is required above Ho the dhe prosecution an! fanatical laws will do litto good. From early childhol shat igers of intemperane and its, fearful consequences should be tanght. In never be given to children, even in the smallest quantities.
 families in which there is a fear of hereditary transmission of the desire for Cagionso be ben the mildiest alcoholic drinks should be absolutely avoided. It dibsomal desire for if all people so predisposed, or who may have acquired only the祭 ulte
Inim starting out in life should take with him the moral training which will thef ises be a gentleman, and be considered a polite genileman, though he abso6 reating habit-ar a a iquor so saloon in order to treat or be treated to drink.
many a young man and made him a moral and physical wreck. Think of it, young ladies and gentlemen, you the future teachers of our boys and girls, what a glorious mission you have in thus combating two diseases of the masses--alcoholism and tuber culosis-at the same time.

There is another point I wish to emphasize in regard to alcohol and tuberculd and that is the iden that alcohol is a specific, or even a remedy for consumption. has never been a greater mistake made. Alcohol has neyer cured and never will chr tuberculosis. It will either prevent or retard recovery. It is like a two-edged wap thiv on one side it poisons the system, and on the other side it ruins the stomach and ${ }^{\text {and }}$ prevents this organ from properly digesting the necessary food. Truly pathe of proo the results of this erroneous doctrine in the families of the poor, where instead $q^{\text {pab }}$ curing good nourishment for the invalid, liquor has been bought in far too larg nor for tities, so that often there was not enough money left for food for the sufferers ${ }^{\text {n }}$ the other members of the family.

The individual enfeebled by disease, such as typhoid fever, grip, etc, should deatater particularly careful life and avoid crowded meeting places and all localities arna ${ }^{\text {n }}$ the air is vitiated and where he is in danger of coming in contact with careless or $\mathrm{ib}^{\mathrm{gm}}$, to individuals who expectorate everywhere. The man who has a trade, such predian printer, tailor, bookkeeper, or other workers whose occupations are more or less and wen and keeping the body in a thoroughly good condition through regular bathing ${ }^{\text {and }}$ judicious exercise.

What I have said so far of the causes and prevention of tuberculosis is know which seems to me should be possessed by every person, but you future teacher the be particularly posted on the minute details, so that you may not only pract ant $a^{150}$ for your own self-protection but also preach them, not only as teachers but ath friends of all the unfortunate.

Thus, if you are perchance in the presence of a consumptive who is not yet wis bill medical care, teach him what you know of the prevention of the disease, and ad $\mathrm{m}^{\text {the }}$ te to seek the counsel of a competent physician. No tuberculosis invalid, no mon how what stage of the disease, whether living in a palace or in the poorest tene ignomind should be without a medical adviser. If you meet a consumptive who is ig it win the precautions he should take, do not shum lim like a leper, but treat hind ase arpery ness and convince him that whatever he does to prevent the spread of dise his Let me tell you that a clean conscientions consmontive is as safe a person to with as anybody.

Now let me come to some of the particular duties devolving upou you as tea do did tid love for fresh air. Your pupils should learn to love fresh air as muel as yo take this love for fresh air home with them.
 atmosphere in the classrom is as pernicious to you as it is to the chiddren inter ile d ${ }^{\text {d }}$ charge. There is too great a tendency in the present age to develop the of the ${ }^{\text {b }}$ to our children to the detriment of their physical welfare. While all the organ develop por should be developed. the lungs particularly should be given opporiunity to de givel greater advantage. I would suggest that breathing exercises should not onnlum of a and then, but that they should form an important item in the curricucacious ${ }^{\text {bap }}{ }^{2}$ schools. I slo not believe that there is any better, greater, and more efficace to $\mathrm{m}^{e}$ to becoming consumptive than a good pair of lungs, and it would seem to make ${ }^{016}$ should not only be a great duty but also a great privilege and pleasure to mad vig a weak-lunged child, who may be predisposed to tubereulosis, a strong ab man or woman.

I do not know what system of breathing exercises you have been taught, you will permit me I will demonstrate to you those which I have found most

In front of the open window, or out of doors, assume the position of the with mid mily "attention," heels together, body erect, and hands on the sides. With while closed take a deep inspiration (that is, breathe in all the air possible), and w
${ }^{80}$ raise the arms to a horizontal position; remain this holding the air inhaled for
 det of inspinis act of exhalation or expiration, should be a little more rapid than the tised inspiration. When this first exercise is thoroughly mastered and has boen pracexept that seral days, one may begin with the second exercise, which is like the first, Der the head the upward movement of the arms is contimed until the hands meet t
endurane thind breathing or respiratory exercise, which requires more strength and deveral ti should not be mudertaken until the firsi two have been practised regularly 8eheral times a day for afow woeks, and until an evident improvement in breathing and Thd then well-being has been observed. Take the same military position of "attention," ing eath stretch the arms out as in the act of swimming, the backs of the hands touchmeet behind oth During the inspiration moye the arms outward until they finally Turing ehind the back. Remain in this position a few seconds, retain the air, and be facilitadation bring the arms forward agan. This somowhat difficult exercise can
tion, and ded and be made more effective by rising on the toes during the act of inhalaand descending during the act of exhalation.
On Of course, when out of doors one camot always take these excreises with the shouldent of the arms without attracting attention; buder such conditions raise the in thers, making a rotary backward movement during the act of imhaling; remain the shoposition holding the breath for a few seconds, and then exhale while moving ${ }^{T}$ gise canders forward and downward, assuming agsin the normal position. This excan easily be taken while walking, sitting or riding in the open air.
ofter fougg gills and boys, amd especially those who are preaisposed to consumption, recommouire a habit of stooping. To overcome this the following exercises can be thrips with. The child makes his best effort to stand straight, places his hands on flurigs with the thumbs in front, and then bemls slowly backward as far as he can he breath act of inhaling. He remains in this position for a few seconds, while holding ath, and then rises again some what more rapidly, during the act of exhatation. Budies in people have a just estimation of the value of these exereises. From your the es in physiology yon will remmober that the amount of tidal air ihat is to say, formbimen which is inspired and expired in guieter spiration-is only solec., the find himentad air, the wolume which can be inspired after an ordinary respiration, "xpelle, and the supplemental air or reserve air, the amount which can be forcibly ladily apter an ordinary respiration, amounts from 1,240 to $7,800 \mathrm{cc}$. Thus one can Acid in appreciate the effect of these exercises on the physiologic action of the lungs Acid (Corsing the supply of oxygen (O), and more effectually removing the carbonic hathe cont. You will remember that these interchanges of gases in the lungs result atosis. The following general rule concerning breathing exercises should always be rememThere Commence with the casier exereises and do not hegin with the mors difficult oflesert to the former are completely mastrent. Fur healthy sehool chiddren I would , Every hour from sin to nine deep respiratory exercises, either of one kind or the Ontin second general rule is never to take these expreises when tired, and wever to ${ }^{\text {eferfines }}$ them so long as to become tired. It is, of course, self-umderstood that these $Y_{0} \mathrm{Dossib}_{\text {sible, and }}$ always be taken in an atmosphere as pure, fresh and free from dust lat $^{\text {as }}$ as te, and that no restricting garments around the waist or neek should be worn. injuries to the vital organs inctised in the chest or abdomen will often leave Mowth-breathing in children, and sometimes in adults, is often caused by certain
 ational ete.) The removal of these obstructions hy surgical aid is perhaps the only tationat thesed to assure natural breathing. Incidentally, we may be permitted to op $\mathrm{H}_{8}$ in the operations are not at all dangerous; but by the presence of these vegebruld of the throat (retropharynx) the hearing and the intellectual and bodily develreather earnestly recomecome seriously impaired. The early removal of such growths er call thestly recommended. If you observe among your pupils a chronic mouththe attention of the school physician or the parents to the child's condition,
and explain to the parents the danger of negleet in this matter. The respiratory exercises just deseribed are partienharly usoful for such children after operations, other wise they often retain the habit of imperfect breathing which they had acquired.

In teaching the chidren moder your charge how to breathe, sit, stand and wath properly, you teaches do pernaps more toward the prevention of tubereulosis that all we physicians fogether. I would love to see singing and outdoor recitations add proper seasons incorponated in the curiculam of every school in city or country, is city schools should have commodions roof-gardens for the purpose. Wherever trew a play gromme it should be kept clean, as free from dust as possible, and be daty stay $y^{-}$ with clan sand or gravel. Chilhen should be warned not to expectorate on the prat ground, and idults should be severely punished by law for so doing.

The breathing exoreises at schonl shontal, of coume, be supervised by teaders Modern school hygiene is far superior to what it has heen in the past, yet there is suth room for improvement, so far as the prevention of taberenlosis is concerned, fetion. me to suggest to you the advisability of giving the children leaflets of instracthose I know this pration to be in vogue in some sehools in this and other states, but whif I have seon semed mather incomplete. Let me wive you here a tentative leafe whe I have writen with the patienhar view of prementing consumption.

Every child and adale (an help fight consmontion. School chithren can be he fit ${ }^{\text {fit }}$ by complying with the following rales:

Do not spit, execpt in a spitoon or a prece of eloth or a handkerchief used for that purpose alone. On your monru home have the cloth hurned hy your mother, or the handkerchief put in water utitil ready for the wash.

Never spit on a slate, floor, sidewalk or play ground.
Do not put your fingers into your month.
Do not piek your nose or wipe it on your hand or sleeve.
Do not wot your finger in your month when turning the leaves of hooks.
Do not put pencils into your mouth or wet them with your lips.
Do not hold money in your month.
Do not put pins in your mouth.
Do not put anything into your mouth except food and drink. whistes, wo
Do not swap appecores, candy, chewing gam, half aten food blowers or anything that is put in the mouth.

Ped or wash your fruit before ating it.
Never eough nor sheeze in a person's face. 'Turn your face to one side and hold ${ }^{3}$ handkerehiof before your month.

Keep your face and hamds and finger-mails clean; wash your hands with soap and water before each meal.

When you don't feel well, have cut yourself, or have been hurt by others, do ${ }^{\text {not }}$ be afraid to report to the teacher.

## MEDEGALEXAMINATION OF CHIDDREN.

(From an address on the 2end of last December in Melbourne. Austalia, by fir fort Corst, late vier-president of the Council of Education, Great Britain).
 chiddren. In Victoria, with your compulsory attendance laws, you have asse re ${ }^{s}$ in your classes the whole of the next generation of your people. You lave a jay he unique opportunity to test and examine the health of your people. No way so ${ }^{\text {and }}$ world could be more acenmate or more timely. If there is anything in directly it. order which fends to the deterioration of the race, here you find it out an applyde, there is any remedial measure to be takon to improve your race, here yol can iremed pep Many diseases, many aiments, which after full growth are incurable and you prepren can be cured in childhood. Besides this care of your rising pencuation, yeakly chatdate the spread of infections diseases. The bodies of ill-fed, ailing and weaseases. mep are the great nurseries of the mierobes which are the source of amost anany yound do in particular tuberculosis which, turning into phthisis, carries off so modies of ill-to wet and women. Its microbe is developed more casily and freely in the bodes would in the young ehildren than in any other phece. An examination of such children womp ont tho their segregation until cured, and would do more than anything olse to stamp ine prot disease. What an economic advantage is thus to be gained! Do not fat int dothe the because the population of Victoria is well-to-do and parents can feed and cot ${ }^{\text {d }}$
chidgren suffiently, that that shuts out the necesity for examination. Fxaminations
made in Britain and elsewhere have shown that there is an immense amount of hidden (Frome among the children of well-to-to people.
(From "'The Doctor in the Public School," by John J. Cronin, M. D., in the American Monthly Review of Reviews for April).
We have shown beyond peradventure that physical defects exist in about sixty per
cent of all school children in New York; that in most cases these defects are remediable by proper treatment, and that the early discovery of these defects is the prime factor in the maintenance of the health of the school children and in mabling them to pursue heir stuclies.

We have shown, furthermore, that backwar, mentally deficent truant children cave shown, furthemore that backward, mentaly deficient trant
eatly enoupir mental or moral defects, and that by appropriate treatment, if applied
shat enough, we can save these chidren from illiteracy, from drudgery in fuctories at Wages, or from an almost inevitable criminal career.
In view of these facts, what can be more important than a systematic individual
passical examination of every school child, at stated periods, and what can be of more
Physig benefit than the early application of the proper treatment in all cases in which defects are found?

## A CATECHISM ON TUBERCULOSIS.

## AN URGENT APPEAL TO THOSE IN AUTHORITY.

## To the Clergy:

To the Mayors of Towns and Municipalities:
To the Professors and Teachers of Colleges and Schools:
${ }^{t}$ iflith is universally admitted by medical authorities, that, while tubereulosis is con-
$\mathrm{DrOm}_{\text {per }}$, the causes of this contagion can reatily and casily be avoided hy the use of means of protection
of The spread of the disease is due very largely to ignorance of the proper means
of the simp, and there is very little doubt hut that a general knowlectge and the use or two gencrations.
and Those who are entrusted with the care of children, more particulaty clergymen
Condah ol teachers, are urgently requested to aid in the spreating of the knowledge
it proper knowle catechism by meetings and lectures. By instilling into the young
medicae avoidedge of the langers of this disease and of the simple nethods by which
edical avoided, those in authority can do very much--in fact, more than even the fession - towarls its elimination.

## A CATECHISM UPON TUBERCULOSIS FOR SCHOOL CHILDREN

[^4]In the crowded parts of cities where the houses are packed together, and the streets narrow; where the air camot circulate freely, and the smaghi does not enter.

## 3. What is the cause of this disease?

It is due to the presence of tiny living germs or bacilli (2), visible only by the microscope which as they grow and moltiply, tend to destroy the affected parts ${ }^{0}$ the body.
(1) Pronounced 'Tew-ber-kew-lo'-sis.
(2) Pronounced Bass-sill'-eye.

## 4. How large are these bacilli of Tuberculosis?

They are so minute that $100,000,000$ placed side by side would we required in di cover one square inch; placed end to end it would take 7,000$)$ to make a line ant fin long.
5. What parts of the body are the most frequent sites of growth of the tuberde bacilli?

First and foremost the lungs; but the bones, the joints, the glands of the ne ef ed. the membmes covering the hrain, the intestines, and other regions, may be atated
6. What is the most rapid and fatal form of tuberculosis?

That in which the membranes of the brain are attacked, cansing meningitis (i).

## 7. What is the most common form?

 and phthisis (4), and sometimes spoken of as the white plagute.
(3) Pronounced Men-ingerye'tis.
(4) Pronounced 'Thigh'-sis.
8. What are the ravages of tuberculosis?
 it every year throughont the wombl.
9. What is the death rate from tuberculosis in Canada?

Abonf nime thonsand Gatadians die every year from this disease.
10. And in the Province of Nova Scotia?

From 900 to 1,600 . In every iwelve deaths one is from tubereulosse
II. At what time of life does consumption most often show itself?
 of thife from infancy to old the.
12. Are the well-to-do free from this disease?

No; it may atack all rasises of prople. lich as well an perm.
13. Can tuberculosis be passed from one person to another?

Yes; it is a contagionta divense.
r4. What favours the spread of the disease?

15. Where do the bacilli come from?
from Being of the nature of plants they cannot be parts of our bodies; they must come
16. How, then, do they gain entrance?

They are taken into the air passages and the digestive canal through the mouth.

## 17. Why are the lungs most often affected?

Rith $^{\text {Becalse in the first place the bacilli are easily inhaled into the air passages, along }}$
${ }^{\text {tionth}}$ for fles of dust; and in the secomrl place, these minute plants find the condigrowth better in the lungs than in any other parts of the body.
18. Where do the bacilli that are in the air come from?

Prom They come from the dried particles of spulum or spittle of those already suffering
$I_{9}$. Does this sputum contain any large number of the bacilli?
For diay. heen found that a consumptive may expectorate more than a million bacilli
${ }^{20}$. How does this sputum lead to the spread of the disease?
8mt If not destroyed, it becomes dried up and converted into dust, and this dust,

* Mithinging the live bacilli, maty be inhaled by others; or, again, flies feeding on the may carry the bateillito articles of food.
${ }^{2}$ I. Can the disease, then, be introduced along with food?

${ }^{t h}{ }^{2}{ }^{2} e^{2}$ whose Is Whose sputum is properly destroyed?
$\mathrm{F}_{\text {therim, }}$

ats, core people when talling, conghing, or wheczing, for the fine droplets of saliva

3. anve y infection.
4. Can tuberculosis be avoided by those exposed to infection?

Perpers but mum depmede upon the power of resistance of the individual. Some
 shall mumbers of bacilli.
24. Are there any causes tending to lower these powers of resistance?
of thork ${ }^{\text {and }}$ austing illness such as typhoil, insulficient or poor food, intemperance,
${ }^{\text {It }}$ Work and fintigue, prolongen resitence in closel-in and badly lighted rooms, and
25. Where there is poor sentilation and much dust.
25. How does intemperance favour tuberculosis?
halthy shly does it lower the resisting power, but it brings in its tain poverty, un-
26 . mmolings and misery.
26. Is consumption hereditary?

of healthy tubereulows marents are less mowistatit to the disease than are the chit27. Wh parmis.
27. Why do we speak of tuberculosis as a family disease?

Becaluse several members of one family often fall victims, partly from horeditary low resistance, and partly because careless patients make the home a continual danger
28. Mention the chief symptoms of the disease?

Afternoon fever, continued congh, progressive weakness, loss of flesh, and 10 s of appetite.

## 29. Are there other symptoms?

Yes; night sweats, expectoration of blood, loss of voice, and acute pain in the chest.

## 30. Are all these symptoms constant?

By no means, although generally several of them are present.
3I. May a person be consumptive without the fact being recognized by around?

Yes, particularly in the early stages.

## 32. What are usually the first symptoms?

A persistent cough, fatigue upon slight exertion, and loss in weight.
33. Is there any means of making quite sure that a person has the disease? The discovery of tuberele bacilli in the expectoration is positive proof.
34. Does the disease progress rapidly?

Not as a rule.
35. Does his health permit a tuberculous patient to continue at work?
 of the work.
36. Can the disease be cured?

Yes, when not too far adranced. The momber of cures is increasing $e^{\text {ver }}{ }^{\text {day }}$ particularly of cases taken in hand at the very start.

## 37. Can it be cured without treatment?

No; cure is a matier of weeks and months of conetant carefuness
38. Is any particular remedy known, which is a sure or recognized cure?

No; thourh possibly the future may furmish such.
39. What, then, is the method of treatment which gives the best results?
 medical supervision.
40. What is a sanatorium?
 of tuberentasis umder proper medical smpervision; where patients ase their far care of themselves, and how to avoid commumicating the disease to ehe and friends.
41. How may consumption be guarded against?

By avoiding all sotrees of infection by the mierobes, amb avoiding everytidnt that weakens the body, and lowers the resisting powers.
42. What are the chief measures necessary to stamp out the disease?
those Stopping the habit of careless spitting, and carefully destroying the sputum of nown to suffer from the disease.

## 43. How can the sputum be destroyed?

failing thould be burnt. The patient must be provided with a "sputum cup," or Cup contais, he should expectorate into the folds of a mewspaper, or into an ordinary
cif antaining water, used for this purpose alone, the contents of which. like the sputum
the newspaper, are thrown into the fire after use.
44. Is there any danger in a patient swallowing his sputum?
${ }^{\text {or }}$ eleevatanly there is; for the contained bacilli may plat themselves in the intestines elvewhere, and set up new spots of disease.
45. What are the precautions which a patient should take when he coughs?
then be bhould cover his mouth with a piece of paper, or a clean rag, which should
46. Are there any other ways by which a patient can transmit the disease?
microberything that comes in contact with his mouth is a possible carricer for the -spoon, fork, cup, glass, etc.
47. What are the necessary precautions to take against infection by those means? ${ }^{4}$ ) This matient should, if possible, have his own set of utensils, and everything put
houth should regularly be boiled after use.
48. Is it dangerous to kiss a tuberculous patient?

Uhe Phips, tuberculous patient should not kiss others, and should never be kissed on
49. What rules should be observed regarding the patient's bedroom?

The The window should be open day and night; no one clse should occupy the same
Gipet; the window curtains should be of washing material: the floor should have no at most a small rug; sheets and body limen should be often and well boiled.
50. How should the room be dusted?

With a damp cloth or damp brom in order to prevent dust from rising.
5r. What, to sum up, are the most powerful enemies of tuberculosis?
"iir, Thorough eleanliness, care of the health, temperance in all things, sunlight, fresh 52. Hindance of goorl foom.
52. What are the best districts and surroundings for the tuberculous patient? Thoulde country, especiatly the mountains, whene the air is of great purity. He 53. We heside dusty roms, becanse dust irriates him lungs.
53. What should be done when the disease comes to an end?

Whysinfecthouse, or at least those rooms which the patient has oceupied, should be
yed shoung with everything which the patient has used; articles that can be hould be burnt.
 They shound, from possible infection?
should not expectorate either on the floor or on the pavement.

They should not spit on their slates.
They should not lick or suck their fingers.
They should not stiek odds and ends in their mouths; pencils, pens, and so ${ }^{\text {an }}$ which may have been lying about.

They should not "swop" chewing grom with their school friends, or eat thing which another has already bitten.

They should not use pea-shooters belonging to nthers.
They should mot lick things in order to gum them; there are plenty of taps a buth
They should make a habit of guarding their mouth with a handkerchief wh ${ }^{\text {th }}$ they cough or snecze.

They should get into the habit of never faking food without first washing flat ${ }^{\text {it }}$ hands with soap and water.

They should keep body and hands as clean as they reasonably can.

## REPORTS ON PIIINOLOGICAL OBSLERVATIONS.

(Year Finded Junc 30th, 190x. )

## Nova Scotra.

The following extracts from the reports of the specialist to th
 examination, study, compilation, criticism and suggestion, will do $^{0}$ of interest to all teachers who took part in this work and to all whe propose to continue in the future, as well as to others intere and $^{\text {th }}$ in the development of the practical study of the condition ${ }^{15}$ and resources of our country. The study of these notes, it is $\mathrm{hap}_{\mathrm{pltin}} \mathrm{ed}$ may do much to prevent the introduction of crrors into fut ${ }^{\text {th }}$ work and to suggest improvement in both the seledules and methods of observation.

The Province is divided into its main climatic slopes of of $^{\mathrm{f}^{2}} \mathrm{ten}^{-8}$ gions not always coterminous with the boundaries of coun bet Slopes, especially those to the coast, are sub-divided into piff such as (a) the coast belt, (b) the low inland belt, and (c) the b inland belt, as below:-

\footnotetext{





These observations are especially valuable as furnishing a
stimuluse observations are especially valuable as furnishing a Schools for a portion of the Nature Study work in the public
Pupils of the Province. It is, no doubt, starting very many young Pupils of the Province. It is, no doubt, starting very many young
them on the beginning of an observant course which will make and from for otherwise monotonous hours spent on the road to the from school. The work has also some scientific value, so that the schedules are bound up in annual volumes to be preserved in archives of the Province for future students of our climate.

## CRITICAL NOTES BY THE STAFF OF PHONOLOGISTS.

## REGION I.--YARMOUTH AND DIGBY.

A. W. Honer, Privetpal, Seminary Scheme, Yhmolth.

Mew h The number of seliedules is decreasing every year, mat many of them are from vi s As oars. This may account for a greater number of error than usual.
fine every teacher will have a copy of the April Jothenar for 1909, I am noting it hers, with the have been written about by the compilers throughout the different

sole errorser. I am also giving the day of the month, with the day of the year,
$t_{0}$, 3 mors are evidently due to carelessness in changing from one to the other.
140 No. Mayflowers found on 69, or Math !, are Sobers.
, hay ${ }^{4}$, is or April 26 , is very early for combing Rush to when spores, while
for fo, is too late.

 If to, for When Becoming Common, is a blunder.

${ }^{+}, 10$



Wok at the scape by the pupils with follifmot. Lat than to bring the leaves
$\forall_{0}$. 15

 eotoria Painted Trillimes seen on 12t, or May 3, are shores. Look for them

No. 29.-123, 124, 140, (May 2, May 3, May 19), are too early for Starfower No doubt the Goldthread has been mistaken for these flowers.

No. 30.-137, 148, (May 16 and May 27) are too early for Biue-eyed Grass.
No. 36.-138, or May 17, 142, or May 21, 143, or May 22, 148, or May ph about one month too early for Lambkill. Teachers should not confuse this P with Rhodora.

No. 40.-Observers who report Field Daisies in blossom the last of May or tod first of June should look at the leaves of the plant. Doubtless the blossoms ton the Mayweed.

No. 45.-143, or May 22, is too early for the Common Blackberry to be in blos 90 . No. 49.-154, or June 3, is too early for the Wild Rose. Look for it the lagt d June.

No. 53. -100 and 120 (April 9 and April 29 ) are too early for Black Currant soms.

No. 69.-People who shear sheep the middle of April should be reported for crud to animals, unless the sheep are kept in barns.

No. 88.-73 (March 13), 84 (March 24), $109^{\circ}$ (April 18), are too early for the "ing fisher, which is more likely to be seen the first of May.

No. 89.-119, or April 28, is too early for the Yellow-Crowned Warbler; 160 (June 8) or 174 (June 22) is too late.

No. 90.-80 (March 20), 84 (March 24), and 85 (March 25) are too early for Summer Yellow Bird, while 156 (June 4) is very late.

No. 91.-86, or March 26, is too early for the White-throated Sparrow.
No. 92.-113, or April 22 , and 115 , or April 24 , are too early for the $40^{10^{2}}$ Bird.

No. $93 .-120$, or April 29 , is too early for the Kingbird.
No. 94.-108 (April 17) is too early for the Bobolink, while 171 (June ${ }^{19)^{\text {is }}}$ late.

No, 96. -178 (June 26) is too late for the American Redstart.
No. 97.-123 (May 2) is too early for the Cedar Waxwing.
No. 100.-66 (March 6) is very early for the appearance of Snakes.
Many of the observers have noted additional observations which are very ad divat and each one has been better than the preceding one.

## REGION II. QUEENS COUNTY.

Miss Minnie C. Hewitt, Science Teacher, Acadnmy, Lunenbure.
The schedules received this year show the usual neatness and accuracy ${ }^{\text {a }}$ part of the observers. Many of the mistakes made in them are repetitions wh $^{\text {b }}$ made on former occasions. Each year, however, there are new observers who not paid the same attention to the suggestions and critical notes, as those man $^{m^{n}}$ regularly. For their benefit, I again call attention to some of the more com takes.
 additional observations. Evidently Chrysanthemum Leucanthemun is by the name of Ox-mye Daisy in their sections.

Hack Other common plants are omitted or reported at incorrect dates. If teachers in the botence in their ability to identify these plants from the analytical key given mistance bany text books, they should not hestiate to ask the county compiler for ance in determining them.
4 Mill observers kindly make more accurate note of the bird reported by them
Pnce of the Lark? It seems strange that every year dates are given for the appear-
Whow-Cre Meadow Lark which is considered very rare in Nova Scotia, while the
ch are comed or Myrtle Warbler, the White-throated Sparrow and other birds
Commonly seen and heard, are not reported.
of lakes mistakes indicate carelessness on the part of the ohservers; e. g., 'closing
"pple blose 369 ," "potato digging, first seen-i-371." The teacher, too, who reported
of boms and lilacs as becoming common thiry days after their first appearance
be complimented on her powers of observation.
thermo the teachers who sent in reports noted that assistance had been given lur plant their pupils. One teacher marked with an asterisk the dates given by pupils
lsed the which bloom during vacation. As these dates were correct in every case, in making up my compilation.
of The the teachers of Queens county deserve great credit for the interest shown in " Mportant work. Queens county deserve great credit for the interest shown in
"fle hepeped ant what many more will realize that a great deal
Iocality. $\mathrm{the}_{\mathrm{I}} \mathrm{In}$ concl
mif death of thon I must voice the general regret of the teachers of my district in of 0 gifg and hat enthusiastic and gifted naturalist, R. R. MacLeod, who both by his province.

## REGION II.-LUNENBURG COUNTY.

B. Mchitrtrick, B. A., Principal, Lunenburg Acadeai.

Porty observation schedules were received from the different belts of Lunenburg (a) ands in oast (a) 8; High and Low Inlands, (b) and (c) 32 . There are so few Low ad (c).

Dotiecorder redy of the sheets received show correct observations, carefully and Many gave additional and valuable observations which are worthy bo mhave in the past so frequently pointed out errors that I have decided this year in the past so frequently pointed out errors that I have decided this year
none. I am pleased to report that the shects, though less than in previous Were quite as satisfactory.

## REGION II.-SHELBURNE COUNTY.

Thed beg Bruce, Inspector of Schools, Shmbbuine and Yarmouth Counties.
duly, 1908 . Tre There 1908.
${ }^{\text {a }}$ a a gen a small increase in the number of schedules sent in, and I think they The seneral thing, more carefully prepared.
following
l. Orwing notes and criticisms may help some of the compilers next year.
date teacher gave June 2nd as the date
4. The Field Horsetail, though very common, had only four observers.

A ${ }^{5}, 8,13$ Field Horsetail, though very common, had only four observers. 13, 15,31

Calla Calla
25. Acquaintance with Trillium is becoming more general. It was corredy reported from six sections.
26. Rhodora is now correctly reported on almost every schedule.
29. A few years ago Star Flower was often confused with Gold Thread. rarely occurs now.

35, 36. Half the teachers confused the Kalmias. This is almost incradible when we consider the marked differences between the two species.
K. glauca has opposite leaves with revolute margins, its inflorescence pe pos a TERMINAL corvinb.
K. angustifolit has its leaves in threes, edges not revolute, and its oorymb lateral.

In Shelburne I generally find the former about the last week of May , $\mathrm{and}^{\text {dot }}$ latter about the middle of April.

Bird observations show no improvement.

## REGION HII.-KINGS AND ANNAPOLIS.

Ernest Robinson, B. A., Principal, Horton Academy.

Many of the reports from this region were above the average of prevous $y^{\text {gas }}$ This work can be taken up as Nature Work and will be found of great value pupil and teacher.

Errors:-
There are many mistakes in copying. One report gives Pigeon Berry 149, and fruit ripe 140 . This is, of course, a slip, but it throws doubt on report.

Blue Flag 143, Common Rose 161, Ox-Eye Daisy 157 are all to early. first seen," means under ordinary conditions.

One observer forgot to add the extra day occasioned by a leap year.
It is apparently useless to point out the difference between Pale Laurel and fall kill.

The Hepatica is only reported once. It can be found all along the side of th South Mountain.

One observer used "day of month" instead of "day of year."
Will some observer kindly mail me what they call the "Star Flower"? Give d8" "when found."

More reports from " $N$ orth Mountain" are required.

## REGION IV.-HANTS AND SOUTH COLCHESTER.

Geo. W. MacKenzie, B. A.. Academy, Truro.
The sehedules for Hants and South Colchester were on the whole satisfar particularly those of South Colehester, being quite full and accurate.

Several of the schedules had a large number of added observations. common among insects and birds being bumble bee, June bug, firefly, grasg by ${ }^{\circ}$ swallow, blackbird, loon, and crane. The dates given for the bee varied by couple of days.

Considering the mild and early spring the observations for this portion of province, I felt, were usually a few days late.
a Of the 34 schedules examined, four gave the day of the month rather than the day
acourate.
"ommon ") Ater that is troublesome is the dates between 'when first seen" and "when
Then advane Thist 12 or 18 spring observations would appear to be correct but as the
is tese may technicallystant is introduced either of 3 or 4 days or 4 or 5 , both too near.
tardy. technically be true; but if "when common" is correct 'when first seen"
${ }^{\text {One }}$ case the a complete schedule 80 such duplicate questions may be answered. In 7 out of the constant of 3 or 4 days was recorded in 22 out of 40 observations, another tapaing of 45 . No doubt the difference has been selected arbitrarily by the observer. comiller. Abe of the records wrong thus likely to result in having both cancelled by the About six of the schedules used the above constants.
Wounly to thit not be more valuable in many ways to have the schedules sent in half-
When to the inspectors and they compile them. They are familiar with the regions.
ling portiong the schools they could be of material assistance to the teacher in answer-
eapily attention mighay at present be obscure to the teacher. By having one of those accury have been might be called to neglect in recording certain observations that might te observations done thus not only assisting but stimulating the teacher to make observations.
${ }^{0}{ }^{0}{ }^{\text {In }} \mathrm{In}_{\mathrm{a}}$ towns the Principal might be held responsible for a single complete schedule or
ex an complete as he could conveniently secure both by himself and his staff. The tran of a single town section being no larger usually than a rural section. It would lit many four days extra labor though I firmly believe the labor would bring forth He In becountry sections, where observations are most easily made the character of
With the should be an index of the teaching. Hence the Inspectors should be famthe schedules of each teacher.

## REGION V.--HALIFAX AND GUYSBORO COUNTIES.

Geo. R. Bancroft, B. A., Science Master, Halfax Academy.
V. Forty-fo

Th oize twent sehedules for the year ending July, 1908, were received from Region ${ }^{c}$ ompiled from Halifax county and ten of those from Guysboro were averaged
biph iner and accuracy of the observations. Three schedules gave the day of the tead of the day of the year. Among the best records prepared were those
ergut er, of Hackett's Cove; Miss Horne, of Oakfield; Miss Sutlis, of Still Water;
Suson, of East Roman Valley; and Miss Corkum, of Woodside.
paper Thenty-eight schedules had appended to their lists additional observations, one then and 'becomany as ninety-six of such observations, giving the dates for 'first
record hose of last year, but still in too many cases were they left altogether without
carelessly year, but still in too many cases were they left altogether without \& carelessly filled.
 H county, and from Landels, Sibley and Sedgewick in Halifax county.

$0 r_{0}$ county. feed A county

Areat many failed to make any records of
$\mathrm{N}_{\text {Of, }} 73$ to 79 inclusive on the schedules.
What Many observers seem to have forgotten that the year 1908 was a leap year, and cases after thg from the monthly date to the annual date one day was to be added ter the 60th day of that year.

E. J. Lay, Principal County Academy, Amherst.

There were summarized in above extent of country the following:--VIIA, ${ }_{7}$, Co., 3 reports, VIIa, Cum., 8, -VIIb, Col., 6,-VIIb, Cum., 10,-VILc, Cumb 4 , ion VIA, a, $5,-\mathrm{VIA}, \mathrm{b}, 6,-\mathrm{VIB}, \mathrm{a}, 5,-\mathrm{VIB}, \mathrm{b}, 6,-$ or a total of 56 . With one excep prer, all gave the year day, and the majority were fairly accurate. Odd mistakes, tean diers. were repeated, and some new ones crept in, but these were generally from new tran lad $^{\text {d }}$ The mistakes may be classified as resulting (a), from want of knowledge. (b), fron the of close observation, (c), from dishonest work and guessing. To the first belle kin wrong dates given for Kalma Angustifolia and Coptis, and also, of little farly. The birds. To take the Kamin, out of 31 dates given, $1+$ were three weeks too early atather Copris is confused with a later plant, and the observer has got the wrong name anta ${ }^{\text {atc. }}$ to the bird. To the second belong the divergence of dates for shedding of pollenen fris and to the third the teachers who add the constant number, 1 or 2 or 3 , to for natur seen" for "becoming common." One teacher, with exceptional advantages in kn will study, put a difference of one and two days between the dates for such we the "frist shrubs as the Apple and Lilac. In no other way, either, can we account for the art
seen" of Ross Lucida in Octope the of the Humming Bird the middle of April, or snakes in early March.

I should like to suggest again the propriety of taking the date of one reliable ${ }^{\mathrm{dr}} \mathrm{ger}^{5}$ server from each belt for the arrival and departure of birds. When in adjoining pelief tions the migration north of Wild (ieese is given as 83 and 53 , an actual case. the ate ${ }^{\text {d }}$ both observers honest, but I have no doubt that the early flock flew over the $\mathrm{spar}^{50} \mathrm{t}^{\text {m }}$ server, without attracting attention. One teacher is on the watch for the Song brout suddenly its note ten days betore her neighbour, who only hears it whe attentitil the most careless.

In a new edition of the "Observation" sheets could not common blupderf be pointed out, and detailed information given as how to avoid them? This " much surer than giving the information through the Journal.

Very full schedules were sent in by Miss Charman, of Wallace, and Miss soley, Masstown, while those and the Misses Siles, Patton, Slade, Robertson and hish infer sent in from 20 to 50 addional observations. Miss Charman's were of much as showing the sudden and violent changes of the winter.

## REGION VII.-PICTOU AND ANTIGONISH COUNTIES.

W. P. Frasser, B. A., Science Master, Academy, Pictout.

Forty-one schedules were received altogether, five less than last year. nine were from Pictou county and two from Antigonish.

The schedules were generally more accurate than those of last year, but as full as they might easily be. The most complete schedule was sent in by ask McDonald, of Hopewell. In addition a large number of observations not on the schedule were given, some of much interest as the nesting of birds, accurate and neat schedule was sent by Miss Katherine Grant of French River.

The reports of the migration of birds show an improvement in accuracy, but the should be more records.

The Song Sparrow is not generally reported. It is the first of the "grary yid is ic to arrive in spring, ustally about the last week in March. This with its chat song should identify it.

A January date for the Robin indicates that one has wintered here.
 for the Junco. Juncoes frequently winter; but they are very abutely made. spring migration, so the usually arrive in large numbers about the same time as the Song Sparrow.
tent The Kingfisher, Sandpiper and Bobolink must be generally known, yet there are
and The Medow Lark is not reponted. It is not foumd in this country, as far as I
the There nas only one report of the Myrtie Warbler, and the date given was during
Novast week of Aprit, which is correct. It is perlatys the most common warbler in
Scotia
The Such a date as 114 for the Summer Yellow Bird must be the Yellow Palm Warbler
Sear, 8 , , thation of the warblers is very regular, occurring about the same date year after that th Sumaric Warbler seldom arrives till the 15th of May
Tarliter. It ioldiuch being a sparrow and not dependent on nesect food nay arrive much It is somewhat irregular in its migratio. hs.
Wala Alyy large percentage of crrors occured in the reports of the Night Hawk, It does nect ve till alter the middle of laty
the It thay be added for the benefit of beginmers, that the list of bird obscrvations in

lates of migration. Requatel as sucli it would in many cases he very misleading.

## REGIONS VIII, IX AND X.-CAPE BRETON ISLAND.

「. L. Moore, M. A., Cobifi Academy, Sydney, N. S.

lagt
forty-seven onservation schedules were received this year being five more than
noperners. Thirty-two schedules were from Cape Breton county ind fifteen from ud Victoria.
ba The observations on bird migrations are noticeably incomplete, very few schedules
 ${ }^{6}$ complate Victoria county, is an exception to the general rule, his sehedule being mplete in this respert and carefully made up.
ingtand Tates givan for the arrival of the Summer Yellow Bird are, I think, m nany buy, es incorrect. A number of observers report its arrival during the first week in ape not 124. It would be well if these teachers would assure themselves that they later in the mistaken the Yellow Palm Warbler for the summer Yellow Bird. The former did the latter part of April or the first, week in May in exceptional seasons. The not put in an appearance in Sydney last yoar until May 25 (146).
$\mathrm{Br}_{\mathrm{o}}^{\mathrm{o} k} \mathrm{~A}$, remarkable date for the arrival of the Humming Bird is that given from Big $\mathrm{V}_{\text {又., }} \mathrm{l} 28$, and it is difficult to so how this bird could be confused with any other. doub The Meadow Lark is reported from one station, namely. Goose Cove. Considerable
und exists as bledly with whether this bird ever appears in Cape Breton. The shore Lark is Iy with us in March and April, and might be mistaken for the bird in question

Wing vacant farms at Upper S. West Inverness county

(To be honded promptly on ita receipt by the Secretary of every sichool Board to each Toach employed within the School Section.)

## LOCAL "NATURE" OBSERVATIONS.

This sheet is provided for the purpose of aiding teachers to interest their pupirsh it observing the times of the regular procession of natural phenomena each season. may help the teacher in doing some of the "Nature" lesson work of the Course of S"w secondly, it may aid in procuring valuable information for the locality and province. to bo copies are provided tor each teacher who wishes to conduct such observations, be pep preserved as the property of the section for reference from year to year; the other to or axp in with the Return to the Inspector, who will transmit it to the Superintendent ination and compilation.

What is desired is to have recorded in these forms, the dates of the frost leafing, fow ing ing and fruiting of plants and trees; the first appearance in the locality of birds migr as north in spring or south in antumn, etc. While the objects specified here are given is is enable comparison to be made between the different sections of the Province, ioculity desirable that other local phenomena of a similar kind be recorded. Every lo $0^{n^{4}} \mathrm{~m}^{\text {red }}$ a flova, fanm, climate, ete, more or less distinctly its own; and the more comm ${ }^{\text {mon }}$, vil
shrubs, plants, crops, etc., are those which will be most valuable from a local point in comparing the ohare., are those which will be most valtable from a local por

Teachers will find it one of the most convenient means for the stimulation of pup observing all natural phenomena when going to and from the school, and some ${ }^{\text {men }}$ radiate as fur as two miles from the school room. The "nature study" under the ping o tions would thus be mainly undertaken at the most convenient time. without endrond trat school time; while on the other hand it will tend to break up the monotony of schoo of fill an idle and wearisome hour with interest, and be one of the most valuable fortns tion tional discipline. The eyes of a whole achool daily passing over a whole school sect reur let very little escape notice, especially if the first observer of each annually wor wor phenomenon receives credit as the firat observer of it for the yoar. The observation acourate, as the facts must be demonstruted by the most undoubted evidence, sud bringing of the specimens to the school when possible or necessary.

To all observers the following most important, most essential principles of recording spor
 recorded except parenthetically. The date to be recorded for the purposes of conp with those of other localities should be the first of the many of its kind following ately after, it. For instance, a butterfly emerging from its chrysalis in a shelter to, but by a southern window in January would not be an indication of the general climato the peculiarly heated nook in which the chrysalis was sheltered; nor would a flow ${ }^{\text {woult }}$ cemi-artificial, warm shelter, give the date required. When these sports out of seas an mor they might also be recorded, but within a parenthesis to indicate the peculiarity the conditions affecting their early appearance.
 July, containing the observations made during the whole school year and back a preceding July (if possible) when the schedule of the previous school year was net to th completed and sont in.

A duplicate copy of the schedule of observations should be securely att premed achool register for the year, so that the series of annual observations may oach locality. The new register has a page for such records.

Remember to fill in carefully and distinctly the date, locality, and other blans and head of the schedule un the next page; for if either the date or the locality or and ann the responsible compler should be omitted the whole paper is worthless oound up for preservation in the volume of The Phenological Observations.

By the aid of the table given at the top of pages 3 and 4 , the date, such as May for instance, can be reatily and accurately converted into the annurl tate, day of the year," by adding the day of the month given to the annual date of th of the preceding month (Aprl in this case), thus: $24+120=144$. The annual briefly recorded, and it is the only kind of dating which can be conveniently arara cau mak phenological studies. When the compiler is quite certain that he or she can will be pro version without error, the day of the year instead of the day of the month will in recording the dater.

## LOCAL "NATURE" OBSERVATIONS.

Mhingsheat is provided for the purpose of aiding teachers to interest their pupils in the times of the regular procession of matural phenomena each season. First, it Mondy, it teacher in doing some of the "Nature" lesson work of the Course of Study Wpine it it may aid in procuring valuable information for the locality and province. Two Heterver provided tor each teacher who wishes to conduct such observations, one to be Thition the the property of the section for reference from year to year; the other to be sent

Whm cotura to the Inspector, who will transmit it to the Superintendent or exam. What compilation
ory hat is desired is to have recorded in these forms, the dates of the first leating, flowerrubh in spiting of plants and trees: the first appearance in the levality of birds migrating fomitg corping or sonth in autum, ete. While the objects specified here are given so as to - Morahe what ath to be made between the different sections of the Province, it is very Mrula, ', (atma, other local phenomena of a simila kind be recorded. Every lociality has Tmplants, crimate, ete, more or less distincty its own; and the more common trees, prating, crops, etc., ate those which will he most valuable from a local point of view Teacherg we characters of a series of seasons.
"ufifeng and will find it one of the most convenient means for the stimulation of pupils in Shas as far as ural phenomena when going to and foom the school, and some pupils
Th Would as tho mites from the school room. The " nature stuly" umler these condi-
han time thas be matinly undertaken at the most convenient time without encroaching on
गnh le and while on the other hand it will tem to break up the monotony of school travel,
"t very inline. wearisome hour with interest, and be one of the most valable forms of edaca-
Whery bifittle . The eyes of a whole sohool daily passing over a whole school section will
 Ging of the facty To af the spets mast be demonstrated by the most undoubted evidence, such as the "hath ohe specimens to the seluol when passible or me wsary.
Wh of fized: Pervers the following mone important, mosi essential pinciphes of recording are

with elef except to very local condinious an common th at least a small fieht, should not be
aley thise of patenthetionly. The date to be reonted for the purposes of complation
Iy after, it, other localities shouth the the fres of the mony of tis kind to lowing immerli-
${ }^{4}$ fectilern wind instance, a hutertly emerging from its chrysalis in a sheleered cramy
the anliarly window in -Jinary would uot be an indication of the gemeral limate, but of they ifificily heated nook in which the chrysalis, wats sheltered; nor would a flower in a , Warm shelter, give the date requirel. When these sports out of season ocenr, His he reconded, but within a parenthesis windicate the peculiarity of some of affecting their early appearmice.
$\mathrm{dal}_{y}$ ITHeng
Prevedontainingles should bee sent in to the luspector with the ammal school returns in Mlete, July (if possiblyations made during the whole school yeur and back as far as the whl repistere copy

Prality for fory of the schedule of observations should le securely attached to the forl ememb. The ne year, so that the series of ammal onservations may be preserved in the of therer te new register has a page for sach records.
Thenponsechedull in carefully and distinctly the date, locality, and other blanks at the ind unisible sedule on the next page; for if either the date or the locality or the name of "p for presempler shonld be omitter the whole paper is worthess and cannot be preservation in the volume of The Phenological Observations.

of intan of the table given at the top of pages 3 and 4 , the date, such as the 24 th of briee the the yeare," can le reulily and accurately converted into the rmmual date, "the 144th 'ef Preceeting," by adding the day of the month given to the anmal date of the last day "hol eoprded, month (Apral in this case), thus: $24+120=144$. The ammal date can be infor gion gical, and it is the ouly kind of dating which can be conveniently averaged for Tecorting inte etror, When the sompiler is quite certain that he or she can make the (amIng the drotes.

# PHENOLOGICAL OBSERVATIONS, CANADA <br> (1909 Зंलhedule.) 

For the year ending July, 190
Province . . . . . . . . . . . . . . County
District
ocality or School Section
[The estimated length and breadth of the locality within which the following miles. Estimated distance from the sea coast. miles. Rstimated altitude above the sea level........ feet.
Slope or genoral exposure of the region.
General character of the soil and surface
Proportion of forest and its character
 or streant

Or is it all sulstantially hightands?
Any other peculiarity tending to affect vegetation?

The most central Post Office of the locality or region
(Wild blant", mec. - Nombnclature as in "Spotton" or " Gray's Manual').

1. Alder (Alnus incana), catkins shedding pollen.
2. Aspen (lopulus tremuloides),
3. Mayflower (Epigiea repens), flowering
4. Field Horsetail (Kquisetum arvense), shedding spores
5. Blood-root (Sanguinaria Canadensis), flowering.
6. White Violet (Viola blanda), flowering
7. Blue Violet (Viola palmata, curullata), flowering
8. Hepatica (II. triloba, etc.), Howering
9. Red Maple (Acer rubrum), flower shedding pollen
10. Strawherry (Fragaria Virginiana), flowering
11. " " ${ }^{\text {1 }}$ fruit ripe
12. Dandelion (Taraxacm officimale), flowering.
13. Adder's Tongue Sily (Erythronium Am.), flowering
14. Gold Thread (Coptis trifolia), flowering.
15. Spring Beanty (Claytonia Caroliniana), flowering
16. Ground Ivy (Nepeta (ilechoma), flowering
17. Indiun P'ear (Amelanchier Canadensis), flowering
18. " 6 " fruit ripe.
19. Wild Red Cherry (Prunus Pennsylvanica), flowering

20 " " $\quad$ " fruit ripe.
21. Bhueberry (Vaccinium Can. and Penn.), flowering
22. " " " fruit ripe
23. Tall Buttercup (Ranunculus acris), flowering
24. Creeping Buttercup (R, repens) flowering
25. Painted Trillium (T. erythrocarpum), flowering
26. Rhodora Rholodendron Rhodora), flowering
27. Pigeon Berry Cornus Canadensis florets opening

## YHENOLO(XICAL- OBSERVATCIONS-(Contmued)



69．Shearing of Sheep．
70．Hay Cutting．
71．Grain Cutting
72．Potato Digging

## （Meteorohiogilcal．Phenomena．）

73．Opening of（a）Rivers，（b）Lakes withont currents
74．Last snow（a）to whiten ground，（b）to fly in air
75．Last Spring Frost（a）＂hard＂（b）＂hoar＂
76．Water in Streans，Rivers，\＆c．，（a）highest，（b）lowest
77．First Autumm Frosts，（a）＂boar＂（b）＂hard＂
8．First Snow（a）to $\mathrm{H} y$ in air，（b）to whiten ground
79．Closing of（a）Lakes without currents，（b）Rivers
80．Number of Thumder Stoms（with dates of each）
Jatı．．．．．．．．．．．．．．．Feb
Mur．
June

［Day of year comesponding to the last day of each month．

| 31. | Amil 120． | Tuly 212. | Oct．304． |
| :---: | :---: | :---: | :---: |
| Feb） 59. | May lind | Aug． 243. | Nov．33i． |
| Alareh 90． | dune 181 | Sept 273. | 1ers 36\％ |

（For Iear years incease each momber except that for datmary by 1.

> (Mhmatos of Bobs, ETC.)

81．Wiad buck migrating
82．Wild teese migrating
83．Song Sparow（Melospiza fesis（iata）
84．American Rohin（Tombes migratorins）
85．Shate eolomed Snow Biat（Jumo bicmatia）
sid．Spoted Sand Piper（Actidis matulatia．）
s7．Nearlow Lark（Stumedla magna）
ss．Kingtisher（Ceryle Alcyon）
89．Yellow Growned Warbler（Dembroca coronata）
90．Summer Yellow Bied（Demtrera asestiva）
91．White Throated Sparrow（／honotrichia alba）
92．Humming Bitd（Trochilus Coluhris）
93．King Bird（Tyramms（arolinensis）
94 Bobolink（Dolychonyx oryzivorus）．
95．American（iold Finch（Spinnt trist is）
96．American Redstart（Sotophaga ruticillit）
97．Cedar Waxwing（Ampelis cerlromim）
98．Night Hawk（Chordeiles Virginianus）
99．Piping of Frogs
100．Appearance of Snakes
（a）

## PHENOLOGICAL OBSERVATIONS, CANADA

(1909 Schedule.)
For the year ending July, 190
County . . . . . . . . . . . . . . . . . . . . . District
The estimated length and breadth of the locality within which the following observe.
tin $_{\text {we }}$ were mate. length and breadth of the locality within which the following observe. miles were made

Estimated altitude above the sea level
feet.
General general exposure of the region
character of the soil and surface
Portion of forest and its character
or stream region include lowlands or intervales:
............. and if so name the main river
Any other ...................... . Or is it all substantially highlands?
$\because \because \cdot \cdot$, peculiarity tending to affect vegetation?
The most central Post Office of the locality or region
$\mathrm{N}_{\text {hl }}$ AND $^{\text {ADD }}$ Observations of the Teacher or other compiler of the
$\therefore \cdot$. .

( II Th l $_{\text {lints, etc. - Nomenclature as in "Spotton" or }}$

1. "Gray's Manual").
2. Alder (Alums incana), catkins shedding pollen
3. Mayon (Populus tremuloides),
4. Field Hor (Epigeal repent), Hovering
5. Bloord-rootail (Equisetum arvense), shedding spores.
6. White Viol (Sanguinaria Canadensis), flowering
7. Blue Violet (Viola blanda), flowering
${ }^{\mathrm{R}_{\theta}} \mathrm{patica}_{\text {et }}$ ! Viola palmata, cucul(ata), flowering
io. Ped Maple (H. triloba, etc.), flowering
II. Strawberry (Acer rubrum), flower shedding pollen

Iq. $\mathrm{D}^{\text {" }}$ "ry (Fragaria Virginian), flowering


if. Sling Bead (Coptic trifolia), flowering.
l. Ground Panty (Claytonia Carolinian), flowering.

${ }^{\text {Ql. }}$ \& Blueberry ${ }^{\text {"d }}$ Cherry (Prunes Pennsylvania), flowering.
4. $\mathrm{F}_{\mathrm{al}}$ " "y (Vaccinium Can, and Penn.), Howering
4. Pall Buttercup (Ranunculus acis) fruit ripe
if. Painting Buttercup ( $R$, repent) flowering ...
if. Rutted Thulium (T, erythro (R ens) flowering
Piodora Rhododendron Rhodora), flowering y Cornus Canadensis florets opening

## PHENOTOOGICAL- OBSERVATIONS--(Contmued)

[1)ay of year corresponding to the last day of each month ] Jan. 31. April 120. July 212. Oct. 304. Feb. 59. May 151. Aug. 243. Nov. 334. March 90. June 181. Sept. 273. Dec. 365. For Lear years increase each mumber except that for Jamary by 1.)
28. Pigeon Berry (Cornus Canalensis), fruit ripe
29. Star Flower (Trientalis Americana), flowering
30. Clintonia (Clintonia horealis), fowering
31. Marsh Calla (Calla paluatris), flowering
32. Lady's, Slipper ('ypripediom acaule), flowering
33. Bhweyed (irass (Sisyriuchim ang), flowering
34. Twinfower (Limaat horealiy),
35. Tate lauel (Kalmia glania), flowering
36. Lambkill (Kahmia angustifolia),
37. Bnglish Hawthom (Crategus oxyacantha), flowering
38. Scarlet-fruited Thom (Cratiegre coecinea),
39. Blue lilag (Iris vensicolor), flowering
40. Ox-eye Daisy (Chrysantheman Lencanthemmm), Howering
41. Yellow Pond Lily (Nuphar advena), flowering.
42. Raspleery (Rubus strigosns), flowering.
43. " " " fromit ripe
44. Yellow Rattle (Rhimanthus Crista-galli), flowering.
45. High Blackbery (Rubus villosis), flowering
" fruit ripe
47. Pitcher Plant (Sarracenia purpuren), flowering
48. Heal-All (Brunella valgaris),
49. Common Wild Rose (Rosa lucida),
50. Fall Daudelion (Levontoton autumale),
51. Butter-and-Wggs (Linarin vulgaris), ""
52. Fxpanding leaves in spring made trees appear green- (a) first tren, (1) leafing trees generally.
(Cultivatei Playts, etc.)
53. Red Currant (Riles rabrim), flowering.
54. " $\quad$. frnit ripe
55. Black Currant (Ribes uigrum), flowering
56. " " fruit ripe
57. Cherry (Pruns Cerasns), fowering.
58. " " fruit ripe
59. Plum (l'rumus domestica) flowering
60. Apple (Pyrus Malus), Howering
61. Lilac: (Syringa vulgaris), flowering
62. White Clover ('Trifolium repens), flowering
63. Red Clover (Trifolium pratense),
64. Timothy (Phleum pratense),
65. Potato (Solanum tuberosum),
(Farming Operaticns, eitc.)
66. Plowing begun
67. Sowing
68. Planting of Potatoes begun

PHENOLOGICAL OBSERVATIONS -(Continued).


## THE PHENOLOGICAL OBSERVATIONS.

The foregoing criticisms should prove useful to young obser vers. It shows that careless recording or incorrect observation ${ }^{1}$ are likely to be found out, with the consequent rejection of the whole schedule containing them. Those making the blunders ${ }^{\text {te }}$ ferred to are evidently unaware of them. So that a careful scar ning of their own work in the past, will enable them to becone more accurate in the future.

The critical work of the very able compiling staff is invaluable not only in securing the correct observations for compilation the averages, but for the training of both old and new obsel ihhed The list of observers and their observations criticized are pubsed in in the October Journal, pages 212 to 216 , and are discussed the preceding pages of this Journal.

The numbers of observations generally indicate the int $\mathrm{tefer}^{54}$ taken in the work by the respective schools. Even a few $\mathrm{acclin}^{\mathrm{Cln}}{ }^{\mathrm{in}}$ observations are of value; and some of the schools sending ily schedules of a low number of observation are appreciated ${ }^{\text {lise }} \mathrm{a}^{\text {al }}$ as documents of scientific value. But accurate and full schedules dicate not only more valuable from a scientific point of view, but ind ${ }_{\text {study }}$ of generally more intense educational interest in the stuly Nature in the school.

The teachers of Nova Scotia have already acquired ${ }^{\text {a }} \mathfrak{m b}^{\mathfrak{C}^{1}}$ putation beyond that of any other part of America for their vir ing tary devotion to and success in the cultivation of the obser first faculties of the pupils under their charge. And already it ${ }^{\text {t }}$ the line of biologists has made its appearance with credit to province.

## Very High Compliments.

Those interested in this phenological work will be pleased io learn, that last spring in a treatise on "Agricultural education $\mathrm{E} \mathrm{d}^{\text {ac }}$ the public schools of America," published by the Bureau of Ester tion of the United States at Washington, the Nova Scotian sy is described and very highly praised; and in the Appendix the Schedule with its directions are reprinted and recommended ${ }^{\text {to }}{ }^{3}{ }^{66}$ schools of the United States. This treatise, Bulletin No. with is a very able document of 148 pages by Dr. James Ralph of Clark University.

This fall the English Board of Education in London "for official use" Educational Pamphlet No. 13, on "The lem of Rural Schools and Teachers in North America" in Nova Scotia receives perhaps more notice than any other
${ }^{(1)}$ the schedule of Local "Nature Observations," and the heading Libe Phenological tables; (2) the regulations for the Rural School Sctaries of Nova Scotia; and (3) the Macdonald Consolidated in hools- 10 or 12 pages out of 32 in the Appendix referring to work in this province. A large part of this pamphlet was published in ${ }^{\text {a }}$ selies of articles in the London Times.
in The English pamphlet is by one of the ablest educationists in England, Miss Ethel Spalding of a Teachers' Training College Was fondon, who visited America for the purpose. Her report published as a series of articles in the London Times.

## Weeds and Infectious Plant Diseases.

$\mathrm{i}_{\mathrm{h}} \mathrm{In}_{\mathrm{g}}$ every rural school the teacher should make a point of seemore come pupils can recognize the injurious weeds, and the Black ${ }^{\text {rammon }}$ infectious diseases of trees and plants, such as the ${ }^{t h r y}$ Knot of the plum or cherry trees, club-root of cabbages and $h_{\text {ave }}$ a etc. The Nature Study lessons on such subjects will $n_{0} 0$ a very special additional interest beyond those involving the economic questions. The Provincial Statutes should direct lands. destruction of infected trees and weeds along fences and wast 7 Who This should be made the subject of oral lessons to pupils, laws of the thus be making an acquaintance with what should be of the province, together with the reasons for their enforcement.

## The Senecio Cattle Disease. <br> has hiis disease might be called the Ragwort Cattle Disease. It

 of its place of origin. It is now no longer the Pictou $U_{p}$ disease, for it is spreading into the no longer the Pictou
tho to 1881 nearing counties.
is infearly 1400 cattle are estimated to have perished from iear, on ection. And since then, it is estimated that about 200 a ${ }^{\circ}{ }^{\circ} \mathrm{an}$ average, die from the same cause.

## What is the Cause?

 Ottawa has been endeavoring to exterminate the discover its cause. The experiments at Cloverville, ${ }^{6} \cdot$ H. Peth, during the last few years, under the charge of Dr. is Pethick, appear at last to definitely prove, that if the dis-not caused by the eating of the St. James ragwort, it is at by something so intimately associated with the weed, provisionally be considered to be the specific cause. ents are clearly described in a special report on "Pictou published by the Department of Agriculture at 1900, to which those seeking exact information are

Quebec as Herbe de St. Jacques; and generally in America and Europe, under such various names as Tansy Ragwort, Staggerwort, St. Jameswort or weed (which like the French name is a translation of the botanical name), Staverwort, Cankerweed, Kettle-dock, Felon weed, Fairies Horse, Stinkin Willie. It has already spread throug Antigonish county, and is rapidly invading Colchester and Halifas counties and even Prince Edward Island. It was not reported to be specially poisonous in Scotland, perhaps because it was ${ }^{101}{ }^{106}$ allowed to grow so abundantly. There are a few other specilly of Senecio in Nova Scotia, which are not known to be special. dangerous, such as: S. vulgaris L., S. viscosus L., S. sylvaticus and S. Aureus L., S. Balsamete (Hook) Britton, S. obovatus Muhb ing S. Pseudo-Arnico. Another species of Senecio is suspected of ${ }^{2} d^{k}{ }^{5}$ the cause of the Winton Disease in New Zealand, which att Sot th horses as well as cattle and sheep. And a similar disease in ${ }^{\text {s }}$ the ${ }^{\mathrm{fe}^{\circ}}$ Africa has been traced to the agency of Senecio Burcheli. It is thlart fore proposed to call this disease by the generic name of the parald with which it appears to be associated in Nova Scotia, New Zeal and Cape Colony in South Africa.

Special Work for Summer of 1909 . $\mathrm{ef}^{\mathrm{h}^{\mathfrak{s}}}$
In order to determine the exact extent to which the we ${ }^{e^{d} r^{10}}$ spread, all schools and individuals sending in Phenological Obse tions, are asked to note the presence or absence of Senecio dadanc in the blank for remarks at the end of the schedule. The abuntond or variety of the weed should also be indicated, with an intinationtion the action being taken in the community to have it exterminat


and $N_{\text {ew }}$ figures showing the general appearance of the plant, stem, are ler showing a characteristic form of the full leaf of the ${ }^{\text {are }}$ given here as an aid to the identification of the plant.

(Note on the Flowers from "Britton and Bhown")
She the yellow-rayed heads are very numerous and from one-half to two-thirds of an ift its brad. The involucre is narrowly bell-shaped, nearly one-quarter of an inch the to 15 , the the linear-lanceolate, acute, green, or tipped with black: the rays from ${ }^{\text {Pappus white }}$ aches of the disk flowers pubescent. thowe of the rays ghbrous lan

From the schedules sent in next July, it is hoped we can plot exactly the portion of the province affected, and have an accurate idea of the magnitude of the problem. The longer the weed ${ }^{\text {is }}$ allowed to spread without an attempt at extermination the more extensive and difficult the problem becomes. If it is not at least kept reduced, it is likely to make cattle raising in all the provinces into which it spreads an impossible industry.

## IHE BROWN-TAIL MOTH.

The nistory of the brown-tail moth is as old as the history of economic entorn ${ }^{0}$. ogy. When the early scientists began to record the habits of insects injurious to frile, trees this pest was one of the first to be described. It found its way to Somer now Mass., in the late nineties, probably on rose bushes imported from Holland, and has spread throughout eastern Massachusetts, southern New Hampshire and southwe ${ }^{\text {ste }}$ Maine.


Fig. 1. - Winter web of brown-tail moth

 Somerville and Cambridg. It was sufficient, however, to yield a swarm onale mo which flew, or were drifted by a high wind over a wide territory. As the the wind, ths is a strong flyer its spread has been rapid. In addition to the effect of the of $\mathfrak{p}^{0}$ ? ${ }^{\text {te }}$ insects are also strongly attracted to light. It results, therefore, that a swarm of immedial arising from any infested spot and being drifted by the wind out of cities and to environment fly to the nearest mass of lights. Thus the centres of cities and become first infested, and here are established the colonies from which a more ge pert infestation takes place. Electric cars, railroad trains, and even steam-boats, light by the to transport the moths. The writer has repeatedly seen them, attracted by the spreading enter into the street or steam cars and be carried for miles. The rapid spreaut $\mathrm{N}^{\text {r }}$ the insect indicates that within a few years it will be well distributed throughout England.

## Life History.

 Thiekly brown-tail moth lays from two hundred to four hundred small globular eggs,

Fig. 3. - Female brown-tail moth.
The
Theh ypical egg mass is about two-thirds of an inch long and about one-quarter of an
${ }^{\text {or }}$ even wide. While the eggs are occasionally deposited on branches or trunks of trees;
faces of the lamp posts or house walls, a very large majority are laid on the under surtrees, and leaves of fruit and shade trees. The moths show a strong liking for pear At the and will apparently seek out trees of this species in preference to any others.
ed by the inse the apple, elm, wild cherry and white oak are very commonly infest-
insect, while other trees suffer to some extent.
feeding ing egs, laid in July, hatch the following month, and the young caterpillars, making the mass, soon commence their work of spinning their winter webs. In bether this web, a number of leaves in the vicinity of the egg clusters are drawn tocold weathere carefully spun in with a tenacious silken web. With the approach of and strange phe caterpillars enter the web and close the exit holes. We then have of emerge phenomenon of a caterpillar wintering over when only one-quarter grown emeld we havg the following spring to complete its life history. Whatever extremes ${ }^{\text {of ergruit }}$ early in th Massachusetts do not seem to affect these insects adversely. They ${ }^{a}$ Truit trees as the spring, eat first the buds, then the blossoms, and attack the foliage of White stres as soon as it develops. The full grown caterpillar is light brown with ire spe tree they either side and about two inches in length. Stripping the foliage The ${ }^{5 P u n}$ within march to another, and so continue until full grown, when the cocoons the pupation use leaves at the ends of the branches, or sometimes on the tree trunks. markst to usually takes place the latter part of June, and the moths emerge from name. with an twentieth of July. The snow-white female moth is conspicuously

## Nettling by the Caterpillars.

 insects come into contact with human flesh they produce a most severe

Fig. 4. - Pruning shears sult-
able for removal of winter
webs.
tion that in many cases people have been made seriously ill by it. The best remedy for it is the liberal use of cooling lotions, or, what is more satisfactory, even if lesg pleasant, the free use of common vaseline.

## Remedies.

The habit of the caterpillar in wintering over in webs at the tips of the bran bur ${ }^{n}$ gives a key to the simplest and cheapest remedy, which is merely to cut off and entive, the webs during the fall, winter or spring. 'This preventative means is most is a $l^{2}$ and gives such excellent results that in Germany, Hrance and Belgium thenter seas ${ }^{\text {and }}$ making it obligatory on property owners to destroy the webs during the wathoritie ${ }^{3}$ Where citizens neglect to carry out this work it is done for them by local aut and the sum thus expended added to their tax levy.

Winter Work.-The work of removing the webs is best done by the use of a long Winter Work.-The work of removing Particular care should be given to gather ${ }^{\text {rild }}$ the webs and burning them, as any left on the ground will yield caterpillars and ${ }^{0}{ }^{\text {b }}$ tinue the infestation locally.

Spraying.-Spraying is very effective against these insects; in fact they are nurdo less resistant to the action of poison than is the gypsy moth or elm leaf beetle. secure best results, spraying should be done as soon as the foliage develops in the sficien th Five pounds of the arsenate of lead paste to one hundred gallons of water is applied ${ }^{\text {in }}$ or, if preferred, one pound of good Paris green kept well stirred may be app one hundred and fifty gallons of water.
 of kerosene emulsion or strong soap suds is advisable. Fall spraying with arse the $y^{\text {de }}$ of lead is also effective, but the feeding of the caterpillars at tha is,usually of minor importance.

Little good can be done in the way of collecting the eggs or trapping
 no method of combatting the brown-tail moths that will give better results for ${ }^{\text {rit }}$ outlay than the destruction of the webs in the winter season. Cases will arise the tre ${ }^{e^{g}}$ the caterpillars swarm from adjoining estates, and where this occurs banding the harm. with some sticky material, as heretofore described, will protect the foliage

## Natural Enemies.

Like the gypsy moth the brown-tail moth is attacked by nerumous pas to the and by certain birds, but the latter do not appear to take to it as readily ful, wost help
 English sparrows eat many of the winged moths. The garden toa as they fall in feeding first on the migrating caterpillars and later on the moths as from the street lights.

Boston, March 1, 1905.
(From' Nature Leaflet No. 26," published by the State Board of of the commonwealth of Massachusetts, U.S.A.)

## (Euproctis Chrysorrhaid Linn).

The Brown Tail Moth is one of the most troublesome insect pests which have devastated fruit and shade trees in America. Public efforts to control its ravages have, since $1 \times 95$, cost the $N$ New England States several millions of dollars. Its presence in fova Scotia was first discovered two vears ago this spring. Proland by the disastrous experience with this pest in the New lingand States, the Nova Scotia Department of Agriculture, as soon as the presence of the Moth was known, took active measures, Publishing articles, holding meetings, sending out inspectors, and spraying badly infested trees. Also, a bounty of three cents dor every nest picked and destroyed was declared. In this way, huring the three weeks campaign, carried on in the spring of 1907 , handreds of nests were destroyed by the inspectors and a bounty Was paid on some two thousand nests, collected for the most part by school children and identified and rouched for by teachers. The the bing winter and spring, the same methods were pursued, this seanty, however, being increased to ten cents per nest. During citizeason, in addition to the nests destroyed by inspectors and nests. tem was the very first it was announced that the bounty systinnled in an emergency one. Therefore, lest it might lead, if conhection win, to such an unfortunate result as has transpired in condecided with the bounty system in other countries, the Department cidided this year to depend first upon the united efforts of the $i_{n} \mathrm{in}_{\mathrm{iz}} \mathrm{ens}$, now thoroughly enlightened as to the danger from the $\mathrm{fr}_{\mathrm{On}} \mathrm{asion}^{2}$ of this insect, and secondly, upon inspectors sent out ${ }^{0} \mathrm{Or}_{\mathrm{s}}$ the Agricultural College. At the time of writing, six inspecvince carefully examining areas in the western part of the pro${ }^{1}$ lace and will continue until vegetation begins.

## Distribution.

By far the greater number of nests have been collected in Digby ${ }^{{ }^{\circ} 0}{ }^{0} n_{\text {nity }}$, in the area between Digby town and Bear River. A ty and able number have been taken in western Annapolis coun${ }^{0}{ }^{0} \mathrm{und}_{\text {nies }}$ a few scattering ones in east Annapolis, Kings and Yarmouth ${ }^{4}$ unmber of While a careful search has been made in, and a large of $\mathrm{N}_{\mathrm{ova}}$ of specimens sent for identification from other counties covered Scotia, not a single Brown Tail Moth has yet been disal wered outside of the areas described above. However, there is Would a possiblity of it spreading and, hence, the Department to Trurge school teachers and others to encourage the sending
is not known. In this way, the members of the Department car be kept posted in regard, not only to the Brown Tail Moth, but other insect pests that may, from time to time, gain access to the Province.

During the summer of 1908, thousands of Brown Tail Moths were seen flying over boats and congregating in the vicinities of light houses. Many of these were examined, but none but male moths or female that had already laid their eggs were discovered. As, up to the present time, there has been a marked decrease in the number of nests taken during the present spring, it is thought that these moths, which must have flown across the Bay from som point in the New England States, have not been the means of furt ther infection. Up to the date of writing (April 21) only ${ }^{501}$ nests have been reported in the same area in which over 4000 wert taken during the previous year.

## Life History.

In the colored plate opposite, will be found pictures of the Brown Tail Moth in different stages of its life history. It is reco mended that every teacher preserve this plate to assist in identify ing specimens which may be brought in by school children and $\mathrm{c}^{\mathrm{it}}{ }^{\text {l }}$ zens in the vicinity of the school house.

The eggs are deposited in masses on the under-side of leave ${ }^{5}$ in July. These egg masses usually from 200 to $300 \mathrm{eggs}^{\text {each }}$ (Plate Fig. 1). The eggs hatch early in August and the $y^{y^{\text {and }}}$ caterpillars feed upon the upper surface of the leaves. Soon the begin to fasten a number of leaves together with silken thread ${ }^{\text {ds. }}$ forming a nest on the ends of the small branches. (Plate Fig. 7.)

On the approach of cold weather, the caterpillars enter the nests and remain there during the winter. Upwards of 300 cater pillars are sometimes found hibernating in a single winter pest.
 (Plate Fig. 2). In the warm days of spring they leave the nest ${ }^{\text {to }}$ feed on the buds and young leaves, returning to the nest at nigh the As they in branches, forsaking the nest entirely.

The caterpillars are full grown about the last of June $\frac{\mathrm{and}}{}$ ne are from one to one and a half inches long. (Plate Fig. 3). the most striking characteristics of the full grown caterpillars are row of elongated white spots along each side and the two briate red dots on the posterior end of the body. The caterpillars pupa ${ }^{2}$ a about the end of June. The cocoons are frequently formed in bunch of leaves at the end of a branch and sometimes in crevid the in the bark. The pupal stage lasts about two weeks and the


THE BROWN TAIL MOTH.
Euprootis chrysorrhoea LINN.

1. Egg Mass on the under side of leaf.
2. Young Caterpillars or larvae as they appear in early spring.
3. Full grown Caterpillars.
4. Pupae in portion of a web mass, also a few cast larval skins.
5. Male Moth with wings fully extended.
6. Female Moth with wings fully extended.
7. Nests in which the winter is passed.
moths emerge about the third week in July. The Moth is pure white with golden brown hairs on the end of the abdomen, from which characteristic it has received its name (The Brown-Tail Moth). Both sexes are very much alike, except that the female is slightly. larger. (Plate Figs. 5 \& 6).

Food Plants.
Apple, pear, and wild cherry trees have been the favorites map far in Nova Scotia, but specimens have also been taken on maples, elms and oaks.

## Brown-Tail Moth Rash.

The hairs of the caterpillars are easily broken off and, when itching, becoming serious in some cases.

## Remedial Measures.

pillars ine most effective remedy is the destruction of the caterperiod in their winter nests, which may be accomplished at any beging between the time when the leaves fall and when vegetation the wint following spring. The nests are easily detected during of winter, when the foliage is off the trees. They may be clipped The the points of the branches with a long handled tree pruner. on thests should be gathered and burned. If allowed to remain their ground, the caterpillars may live, and, in the spring, find way back to the trees.
kill The usual Paris Green or Lead Arsenate sprays will effectively When the caterpillars on the trees. This spraying should be done destroyed caterpillars are quite small, as they can be much easier yed at that time than when they have become fully matured.
its Teachers are urged to familiarize themselves with this moth in atd, Wherious stages, to interest their pupils in thier destruction ${ }^{3}$ pecimeneverer they are at a loss as to its identification, to forward Iens to the Agricultural College, Truro, N. S.


RURAL SCIENCE SCHOOL, AFFILIATED WITH THE PROVINCIAL NOR AND AGRICULTURAL, COLLEGES AT TRURO, 6th JULYTO 12 th AUGUS 1

The next Session of the Rural Science School will be pelk from July 6th to August 12th, 1909. The work of the first weance July 6th to July 13th, will be for those who have been in attenda aly at former classes or new students who may wish to supplet deficie $e^{\text {rt }}$, lines of the regular school studies in which they may be de regut or who may wish to begin private investigation. The reg the classes will formally open on July 13th, so that those takin to tite mid-summer examinations may have an opportunity to en ${ }^{\text {ated }}$ All, who can, are advised to report on July 6th, but it is anticip? that perhaps the larger number will enter on July 13th.

The syllabus of the Rural Science Diploma Course is presert ${ }^{\text {ted }}$ il below. The Daily Time Table will be so arranged that students, attendance may take also the classes in Physical Trainitg qualify for the Physica! Training Certificate. In addition, op is ${ }^{\text {a }} 0$ classes will be provided in Music and Photography, and it attended templated that, for the benefit of those who may not have attent the Normal School, classes in Pedagogy will be arranged.

Courses will be offered in the Principles and Applicatit Gard of Nature Study, General Biology, Botany, School Gard Bird and Horticulture, Agriculture, Physics, Chemistry, Insect Study, Geology and Mechanic Science.

These Courses, one or all, will be free to teachers or intending teachers, and may be taken by:--(a) those who merely wish to extend their knowledge for teaching purposes; (b) those who Wish to their knowledge for teaching purposes; (b) those who
Diploma.

The work is so arranged that it will be possible for almost any teacher to complete the requirements for this Diploma in do so inmmers, or for one already proficient in the subjects to n one term.
During the term, as a rule, the time in the forenoons-six
days in the $\mathrm{f}_{\text {live }}$ day the week-will be devoted to class work. The afternoonsin the day in the week-to field excursions and individual work laboratories.
Tegular tests required for the Rural Science Diploma will be a satisf attendance at the class instruction and in the laboratories; and field ${ }^{\text {at theld }}$ the work of the student, and the passing of an examination Dhe close of the term upon the topics of the following syllabus. of the allowance will be made for reading and study along the lines terme course, which a student may prove that he has done, between ${ }^{\text {each subje }}$ In this connection books of reference are mentioned under Subject.

## SYLLABUS.

## Nature Study.

$\mathrm{A}_{\mathrm{im}_{\text {S }}}$ and purposes of Nature Study.
${ }^{\circ}{ }^{\circ}$ Dististinction between Nature Study and information about nature One hand and formal science on the other.
$\mathrm{i}_{\text {ience }}^{\text {Stages }}$, in Nature Study lessons:-(1) observation (as active experthe (3) exprasoning upon the material observed or actions performed,
${ }^{n}$ ost suitssing the observations, actions, judgments, applications, in suitable or by different modes.
${ }^{0} b_{\text {servation }}$ in the limited sense distinguished from experiment.
${ }^{\text {rath }}{ }^{N}{ }_{\text {at ture }}$ than Study, a method of teaching by environment and experience, than a mass of knowledge about nature.
 Study from the point of view of subject matter.
Part), ${ }^{\mathrm{H}_{0}}$, gavy geography (in part), physiology (in large part), arithmetic (in 8 be taught as Nature Study.

The correlations of Nature Study with literature, the expressive arts, arithmetic, mechanic and domestic science, and agriculture.

The preparation of the Teacher:-Proficiency in heuristic (invest gational) as distinguished from informational or memoriter methods ${ }_{15 \mathrm{C}}$ instruction; elementary knowledge of the sciences; knowledge of the of manuals end books of reference with a view-not to acquire $\mathrm{knO}^{0}$ ledge to restate to the pupils, but-to guide them in their investigatio ${ }^{11^{s p}}$

The place of Nature Study in the Time Table.
Tests of the results.
Nature of aids and proper methods of using them:-Books, pictures, microscopes, aquaria, terraria, museum, etc.

The use and abuse of collections.
Text Book:-Nature Study, Dearness, (Copp, Clarke Co.), Toront ${ }^{\text {to }}$

## General Biology.

Organization as a product of life.
Organic versus inorganic matter.
Protoplasm.
Cell, tissue, organ; a plant, an animal as biological units.
Chief distinctions between plants and animals.
Nutrition, reproduction, sensation and volition as groups of vits activities.

Parasitism.
Characteristics of large divisions of plants and animals:- $\quad$ ne-cin
 radiates, neuropods (bi-lateral invertebrates), haemapods (verte ${ }^{\text {tratiles }}$ and of the large divisions of the vertebrates:-fishes, amphibians, rep birds and mammals.

Text Book:--See under Botany.

## Botany.

Life history of a typical dicot, monocot, conifer, fern and fungus.
Nature and significance of plant societies and associations.
Charasteristics of annual, biennial, perennial; herb, shrub, tree. Organography of seed-bearing plants; form and function of chief
parts of plant-body, shoot, bud, root, flower and seed. Seed dispersion.

Pollination, fertilization, germination.
starch Carbon-foods of plants, respiration, transpiration; chlorophyll,
Use of a systematic key to identify flowering plants, including com-
posites, grasses and ferns.
Sufficient acquaintance with the following to recognize them:${ }^{c} \mathrm{~m}_{\text {mon }}$ weeds, useful plants and trees of the gardens, fields, orchards and woodlands of the neighborhood.

Phenology of common native plants.
Domince the "Seed Control Act" has come into force, farmers throughout the Teachers of Canada have become greatly interested in weeds and weed seeds. all plants will, accordingly, find that a knowledge which will enable them to identify
valuable, whether beneficial or injurious to the farmers' interests, will not only be
Study in but will be greatly appreciated by farmers whose children will engage in this
such in the common schools. The same may be said in regard to a knowledge of
will be stant diseases as Black Knot, Apple Scab, Wheat Rust, or Smut, etc., all of which
studied in the course in Biology and Botary.
Text Books:-The Principles of Botany, Bergen and Davis, (Ginn \& Co., Boston).
Biology, Bailey and Coleman. (MacMillan \& Co., New York).
Gray's New Manual of Botany, 7th Edition. (American Book Co., New York).
Farm Weeds (Department of Agriculture, Canada.)

## School Gardening and Horticulture.

The educational uses of the cultivation of plants; mental, moral, physical educational uses of the economic values. The school garden a nature study labor-
atory.

Planting;or gardening:-The preparation of the soils for potting and seedcare and putting plants and seeds in pots and window boxes and their nd management.
Study of the germination of seeds and the transplanting, potting and ting of plants. Testing the vitality of seeds.
Preparationtdoor School Garden:-Consideration of the situation, size,
Soweration and fertilization of the soil; selection of suitable kinds of
Seeding and vegetables; planning and laying out the garden; planting and
fardeng the plots and borders; subsequent cultivation and care of the
Study of the propagation of plants by seeds, cuttings, budding and
grafting.

The Home-Garden plot as suppelmentary to the School garden or $\&$ a substitute for it when the latter cannot be had.

Relation of insects to the plants of field, orchard and garden. Fungows diseases of economic plants.

Arbor Day. Tree raising, tree planting, care of trees.
Text Book:-The Nursery Book, Bailey. (MacMillan \& Co).
Insects.
The economic phases of insect life such as the relation of mout ${ }^{\text {th }}$ structures to insecticides will receive special attention.

Mutual relations of insects and plants.
Study of at least five insects in respect to metamorphoses and foods
Study of certain insects, beneficial or injurious, in field, gardent orchard, forest and home.

Structure of mouth, wing, legs, body; adaptations to environnuert.
Classification so far as to enable a student to place the common insects in their natural orders and the study of a collection representative of the common orders. In connection with this work the class will study meal of ${ }^{*}$ combatting insect pest.

「ext Book:-Manual of Insects, Comstock. (Comstock Pub. Cont Ithaca, N. Y.)

## Birds.

In this course emphasis will be placed on the study of birds as lividy animals.

Methods of bird-study in the field.
The careful field-study-appearance, song, flight,-of several bird of economic interest, our games birds and their protection.

The complete life-history of at least two quite different species of bird
Nesting habits, song, migration and economic values of birds.
Structure of bill, wing, leg, feathers and adaptations to environmerst. Recognition of our common birds.
Classification:-The characters of the orders represented in $N$ Scotia,-the perchers especially.

Text Book:-Birds of Eastern North America, Chapmanl. (D. Appleton \& Co.)

## Agriculture.

The types of farming suited to Nova Scotia with a consideration of the underlying principles. Comparison of the methods pursued by farmers in the various parts of the Province. Observation of the methods practised at the College Farm.

Field Crops:-The characteristics of the different crops; the methods of successful cultivation of each.

Fertility of the Soil:-Its development and maintenance; the principles of the various tillage operations, drainage, rotation of crops, fertilizers.

## Implements and labor-saving machinery

breeds Animal husbandry:-The economic principles involved; types and the eds farm animals including poultry; the necetssity of an ideal and vationthods of realizing it; principles of feeding and management. Observational study of the animals on the Experimental Farm.

Text Books:-Agriculture, Vol. I, II, Brooks. (King-Richardson. Springfield, Mass.) Types and Breeds of Farm Animals, Plumb. (Ginn \& Co.)

## Geology.

The study of the soil as disintegrated rock:--silicates, limestone, Typsum, study of the soil as disintegrated rock:-silicates, limestone,
Possible in the rocks to be studied from specimens and ${ }_{\text {a }}^{\text {as }}$ far as tration Typical geological formations; examination of the local ones; illus${ }^{10 n}$ of strata, folds, dip, fracture, weathering, etc.
Formation of river-valley, intervale, salt-marsh, springs.
Found in Sty of the nature and significance of some of the common fossils in our coal and limestone beds.
Particulaew of the geological map of the Province,--each student to study cularly the part of the map treating of his own neighborhood.
N. Y.) Text Book:-Introduction to Geology, Scott. (MacMillan \& Co.

## Physics.

temperature and recording observations upon the elements of weather:perature, moisture, pressure, wind, cloud, etc.
The principles and the methods of using instruments to measure
temperature, moisture, etc. Methods of improvising simple forms of
3ome of these instruments.

Practice in making deductions from the various records kept.
The causes and movements of storms.
The study of the principles of mechanics, pressure, force,-levert wheel, screw, etc,-as applied to farm machinery, pumps, etc.
(Note.-Students are supposed to begin this course with a fair know: ledge of the elementary principles of physics, heat, electricity).

Text Books:-Practical Physics, Chute. (D. C. Heath \& Co.) Col. The Story of the Atmosphere, Douglass. (Appleton \& CO) Any good Elementary Treatise on Mechanics.

Somi Piysics.
The methods of taking samples of soil.
Mechanical analysis of three typical soils.
Determination of the percentage of air and water in soil.
Temperature of soil and its modifying factors.
The effects on clay of lime, salt, gypsum and humus.
The relation of size of particles of soil to water-holding power.
The capillarity of at least two kinds of soil and the rate of percolation through them. Power of air-dry soils to absorb water. Texture of soilsheavy and light.

Soil Solutions.
Text Books:-The Soil, King. (MacMillan \& Co.)

## Chemistry.

A iaboratory course in the chemistry of the farm and home based $0^{01}$ the facts and laws of the science as mastered in the high school course.

The chemistry of lime as used in whitewash, disinfectant, Bordealy mixture and cement.

The chemistry of carbon; combustion ; comparison of fuels.
Water,--qualities of different kinds, testing purity and hardne ${ }^{s s^{s \cdot}}$ Soap-making.
Plant and animal products,-testing for potash, phosporic acidy nitrogen, iron, carbon, calcium in bone, seeds, etc. The chemistry starch, sugar, fat, proteid, milk.

## Fermentation.

Ultimate and proximate composition of soil.
and The chemistry of fertilizers,-testing for elements as above, in plant animal products. Examination of a few commercial fertilizers.
$i_{\text {insecticides }}^{\text {A }}$ imple experiments to illustrate the chemistry of fungicides, insecticides, paint, $^{\text {exper }}$ simple experiments to illustrate
preservatives.
Text Book:-Chemistry of Plant and Animal Life, Suyder. (MacBacteriologi.
$A_{11}$ introductory study of bacteria.
Relation to health and disease.
in the bacteria of the soil; nitrification; denitrification; nitrobacteria of desir relation to leguminous plants: conditions favorable to growth Sirable soil-bacteria.
Bacteria in relation to dairying.
Methods of disinfection.


## Mechanic Science.

${ }^{c}{ }^{\text {cour }}$ Brush Drawing:--Materials, their preparation and use. A short
${ }^{\text {to }}$ Hature impression work and brush drawing proper. Applications at ure work in the other courses.
developer and Cardboard Modeling:--The necessary drawings for the Studepment of models. The manipulation of tools and materials. h book-bindinge, at least, ten flat and six solid models and one exercise binding.
insect-bod-work:--The use of the tools. Students to make plant-press, box, and spreading board, or equivalent models.
$\mathrm{Philip}_{\text {\& }}^{\text {Text }} \mathrm{B}_{\text {ook }}$ :-The Theory of Educational Sloya, Otto Salomon. (Geo. \& Son, London, Eng.)

FACULTY OF THE RURAL SCIENCE SCHOOI, WILL BE AS FOLLOWS:
M. Cumming, B. A., B. S. A., Director and Lecturer in Agrib culture and Bacteriology,

Assisted by the members of the Faculties of the Provinicial Normal and Agricultural Colleges.
J. Dearness, M. A., Normal School, London, Ontar $\mathrm{r}^{0}$, Lecturer in Botany and Nature Study.
F. G. Matthews, Lecturer in Machanic Science, Music and Photography.
C. L. Moore, M. A., Principal of Academy and Super visor of Public Schools, Sydney, Lecturer in Biology.

Should there be a large enrolment of students, a fut the number of lecturers will be secured, whose names will be announce later. In this connection, it will greatly assist the Ma ${ }^{\mathrm{N}^{6 / 6}}$ ment if intending students will make application for trance on or before june 15th. Students can, howevir, apply for entrance up to and including the opening day of the coult

In order to minimize the expenses of teachers attending this course, the Provincial Government will pay transportation charg ${ }^{\mathrm{g}^{\mathrm{f}}}$ (railway, steamer and coach fares), of all teachers who compl the Course to the satisfaction of the instructors. Attention is ${ }^{15^{50}}$ called to the fact that, under regulation 138 of the School ${ }^{\text {La }} \mathrm{d}$ ' an additional week or two weeks of vacation may be obtained ${ }^{\text {b) }}$ teachers taking the Summer Course.

While this course is arranged primarily for teachers, yet anl one who is interested in the study of science may attend the clas $5^{5^{5}}$ and receive a full share of attention from the instructors.

Railways will grant to all attending these classes a single farl on the Standard Certificate Plan. Those attending should the fore be sure to obtain the "Standard Certificate" when purchap a ticket, for only the necessary transportation expenses of tea ${ }^{\text {hel }}$ can be paid.

For further particulars apply to:-

David Soloan, LL. D.,
Principal Normal School, Truro, N. S.
M. Cumming, B. A., B. S. A., Principal Agr. College, $s$. Truro,
A. H. Mackay, LL. D., Supt. of Education, Halifax, N. ${ }^{\text {S. }}$

## SUPPLEMENTARY CLASSES.

## (a)

## PHOTOGRAPHY AND MUSIC.

$S_{0 l}$ Should there be a sufficient enrolment, classes in Music (Tonic$\mathrm{F}_{\mathrm{a}}$ ) and Photography will also be provided.

## (b)

## PHYSICAL DRILL.

Proficiency in physical exercises is to be imperative on all Pffect school teachers above Third Class (D). To give greater Physical dess to the regulations in the school-law dealing with of the drical in the schools, it is purposed, with the co-operation this branchia Department of Canada, to provide an instructor in Institution during the session of the summer classes at the Provincial as instructors in Truro. Teachers will thus be enabled to qualify tew law.

SIIIABUS OF PHYSICAL EXERCISES FOR USE IN PUBLIC ELFMENTARY SCHOOLS, 1905.
Phy The above heading is the title of the book prescribed for Fis Majraining in the schools of Nova Scotia. It is printed for Fetter Lanests Stationery Office, by Wyman \& Sons, Iimited, Lane, E. C., London, and is sold in England at ninepence. Ieachers some respects it is not the ideal for mixed schools, and Which they expected to use their judgment in omitting exercises, hess. Soy cannot conduct without exciting a sense of ungracefulshable fonle of these movements are, however, among the most \$hould for the development of health and strength. Every teacher apropriately. good judgment enough to use the exercises Departhe text is being very carefully revised by the Education standard he hausted. throughout the Empire. The original editions are new editi so that we can do nothing better than wait for the edition.

## (c)

## CLASSES FOR BILINGUAL TEACHERS.

Classes in language-methods for bilingual teachers in Acadian schools will open on Tuesday, July thirteenth, and continue till Thursday, August twelfth. Applications for admission should be sent as early as possible to the principal of The Provincial Nor ${ }^{\text {mal }}$ School, Truro.

In view of the very attractive program of work offered this summer in the department of advanced bio elementary $\mathrm{gqf}^{10}$ culture, nature-study, music, manual training, and physical dril it is expected that the attendance will be large.

Our Acadian teachers, it is expected, will avail themstlves as fully as possible of the opportunities offered in the above clas $5^{s^{s},}$ carrying back to their schools not only improved methods in 1 ar guage-teaching, but an increase of knowledge, a wider rang ${ }^{e}$ the interests, and an enthusiasm which will place their schools in ${ }^{\text {th }}$ forefront of public educational effort.

The new French Readers cannot be legally used in Acadiall Schools if the teachers are not able to teach English effectiditil in colloquial fashion, as indicated in the Report of the Acad to Commission, 1902, unless they are qualified or have tried qualify by taking this course.

In the language-course, model classes of French pupils will ${ }^{\text {be }}$ conducted by pupil-teachers, under the direction of the $\mathrm{princip}^{2}$ of the school.

Travelling expenses at five cents per mile will be paid to students who are regularly employed teachers in Acadian cominiw ties, and who speak both languages with fair fluency.

Under regulations 138, of the School Law (see Mantual be School Law), an additional week or two weeks of vacation may ${ }^{\text {be }}$ obtained by teachers taking the summer course.

For particulars respecting the Bilingual School apply to the Instructor,

J. Alphonse Benoit, B. A., Normal College, $T \mathrm{Tl}^{10}$

or to
David Soloan, LLL. D.
Principal, Normal College, ${ }_{\text {Truro }}$, N .


## RURAL SCIENCE SCHOOLS AND GARDENS.

Irawe Regulation 36, pages 66 and 67 of the "Manual of Schoo. substitute Scotia, 1901," has been repealed and the following in its stead:
 at specified must have an Agricultural or Rural Science diploma come lhed in the clauses following, and must notify the Inspector Whinpeted fing of the school each year of the classification to be of Rech for- "superior,"" "good" or "fair"" of the Statute, Regulation equivalent respectively of "A1", "A2" and "A3" (1) 34 preceding:

Tefered "The graduation diploma from the School of Agriculture Und 190 , th in section 69 of Chapter 52 of the Revised Statutes of $V^{4}$ acer whall hereafter be known as the Rural Science diploma, ${ }^{2}$ ation Pletelat School at Truro, conducted under the auspices of the Rte the Argicultural Colleges. First Class teachers who comSuplienurse as prescribed from time to time, and obtain the "pverior," "Giploma, shall be qualified to draw the grants for pee mentioneod" and "Fair" as provided in the Statute the tively specified the fulfillment of the regular conditions reof Course specified. But Second Class teachers who complete atio Inspect receive the diploma may on the recommendation "Elular "Fair"" draw one-half of the regular grants for the classificonditions."
(2) Any such licensed teacher intending to compete classification as "fair", "good," or "superior," under section" of the Education Act, must give notice of this intention at the op ${ }^{\text {th }}$. ing of the school to the Inspector, who has at the end of each halis
 qualification even should all other conditions be complied with
(3) For the lowest rank "fair" the school should have the equipment specified in Reg. 51, a and b, must have a school gar dell of not less than one-eighth of an acre, one-third of which sto be be set off in beds $4 \times 10$ feet with walks 3 feet wide, the rest to till set out as an aboretum and shrubbery, part set out each year fion all is planted; and a library of not less than 15 volumes in addith to the prescribed books of reference. The school must be il respects conducted as a first class school with special excel in Nature Study.
(4) For the rank "good" the school should, in addition have the equipment specified in Reg. 51, c and d, with a libtand of ${ }^{\left[p^{\prime}\right.}$ not less than 25 volumes, a well conducted school garden ${ }^{0}$ and fourth of an acre, one-third of which must be in beds as adiced the rest aboretum and shrubbery as above, and must be con ${ }^{1014}{ }^{\text {in }}$ in all respects as a first-class school with good demonstratio Nature Study by the individual pupils and the school get in
(5) For the rank "superior" the school should havirel addition to the requirements of the previous ranks, the equil wit $d^{\text {s. }}$ specified in Reg. 53, with a library of not less than forty a school garden containing three-eighths of an acre, one-ta ${ }^{2}$ which should be set out in beds as above, the remainder pils tum and shrubbery as above, with a special class of pupp advanced work in Nature Study of such a character as to at ly advancing the industrial methods of the community in ${ }^{\text {at }}$. some departments of agriculture, horticulture, forestry, $\mathrm{e}^{t \mathrm{c}}$.
(6) The "small" standard school garden should not than one-eighth of an acre ( 54445 square feet), one-half
 being plowed each spring, then worked up by the pupils into phe $^{\text {it }}$ of four feet by ten, separated by walks three feet broad. arrangement would give one bed to each of thirty pupils. . Wh younger pupils might be assigned in twos to each bed. grounds should be kept prettily fenced and kept in good even during holidays, when they should be visited by ${ }^{\mathrm{f}^{1 a x}} \mathrm{pe}^{\mathrm{C}}$ pupils at least once a week. Such a school garden might commended by the Inspector for ten, fifteen, twenty or ${ }^{t w}{ }^{t 0}$ the five dollars per annum from the municipal fund, according provid excellence of the general condition of the school, proveriliz School Board spend at least as much on the plowing,
etc., forming the annual current expense of maintaining the school Order, in addition to the labor of the pupils and teacher.
(7) The "medium" standard school garden should be about
One quarter of an acre on the average, one-half of which might be ato out as an arboretum and shrubbery, and the remainder divided Walles fy or sixty, four by ten feet beds, separated by three feet "STall" to be conditioned on the same general principles as the tor the standard. This would be the size of the garden desired according to "good" where possible, drawing $\$ 1.5$, $\$ 20$, or $\$ 25$, ding to excellence, from the municipal fund.
quarter (8) The "large" standard school garden should be over a by ter of an acre, with at least three times the number of "four plots recommended for the "small" standard, say desity 75 to 100 individual beds. This would be the size of garden Pring for the rank "superior"; drawing under the same general ciples $\$ 20$ to $\$ 25$ from the municipal fund.
${ }^{\text {glass }}$ (9) A small shed for the garden tools, with a projection, iring plad, facing the sun, to serve as a miniature hot-house for Thery cheants in spring, is a necessary part of any standard garden, he size, cheap structure sufficing, especially for the "small" garden. herely give, number and management of plots specified above are atre no other general directions when teachers or school boards ortangemether scheme which they deem superior. Any other able or special approximating these conditions, but demonstrating but special advantages, or improvements, are not only allowWill be specially commended after a successful test.
(10) If the teacher or the secretary of the school board under oath the attendance of pupils during the holidays bough tha and observing the beds, such time might be arranged ${ }^{{ }^{0} \text { risterent, for an equivalent number of holidays during the winter }}$ added wer of the school year following or the "days attend(ll)

 pith in sure that the same standards of classification are mainshools rect to the inspection of Manual Training and Superior Hear be giverally. Notice of competition for school garden grants yar, and given to the Inspector at the opening of the school each Should be signed by the Secretary as well as the teacher. be (12) The course of study for the Rural Science diploma shall
of st defined from year to year in the Rural Science School Course

## SIMPLIFIED SPELIING.

 1908, were published the first and second lists of simplified iven in ings. Following this page will be found the third list as give in orf Circular No. 22. The whole three lists are consolidated ifidatel containing over three thousand simplifications. This consolid hed list is Circular No. 23 of the Simplified Spelling Board, the Any office of which is 1 Madison Avenue, New York City. Any tre these circulars can be obtained by writing the Secretary atho th above given address. This Board is not American aldiof central office is in New York. It contains the leading phil from and dictionary makers of Great Britain, and representatives the greater British Colonies around the world.The circulars, therefore, emanate from the greatest author ties in English philology, representing Britain and America. they are too lengthy and technical for the newspapers and
 of our literary scholars. In the common schools we must perfor $^{60}$ the orthography of the text books prescribed. In fact, no ptempl whose scholarship is not well known to the public should atrect to use the new spellings; for even were he using them $\mathrm{m}^{2} \mathrm{rfo}^{20} \mathrm{~m}^{10}$ he might be deemed illiterate by busy men who have no wor revise their orthography or note what is being done in the well of letters. The old spelling must be considered correct ${ }^{\frac{a}{s}}{ }^{9010}$ as the new, or any combination of them, until the simpler more correct forms are generally adopted.

Following Circular No. 22 of the S. S. B., should cor ${ }^{202}$ 23 which is practically the new spelling book, But there ${ }^{\text {is }}$ sufficient space for it in the present Journal.

## The English Simplified Spelling Society.

 at 44 Great Russell Street, London, W. C., England; near the ${ }^{\text {dr }}$, ${ }^{\text {dh }}$ Museum. English scholars will recognize the great name staff of officers. On the C.mmmittee is Dr. Henry Frank Bngish ${ }^{0} 1 \mathrm{Ni}$ Director of Special Inquiries and Reports of the Engicty. of of Education, which is thus well represented in the Society fife have space merely for publishing after Circular No. 22, the ath of the English S. S.S., and the terms of membership, which
 publications issued with the most authoritative sanction of ator d scholarship. Following this, we publish the note explanat the English S. S. S. provisional simplifications of spellings, in their bulletins of information.

## SIMPLIFIED SPELLING.

## The Tihrd List.

The two lists of simplified spellings publisht by the Simplified
Spelling Board have been almost unanimously approved by the supporters of the cause, and especially by the Signers.
of The First List (March 21, 1906) was accepted by all friends selectimplification as a matter of course, because it was only a "Cotion of the simpler spellings, alredy in good use, of some Wordmon words speld in two or more ways"-Three Hundred selected out of many.

The Second List (January 30, 1908) proposed many new
simplifications under general rules. It regulated also seventy-five anomalous spellings under special rules.

## The general rules of the Second List were as follows: <br> General rule for dropping silent final e in unstrest syllables containing a short i.

I.
${ }^{\text {syll }} \mathrm{In}_{\text {n }}$ words of two or more syllables, ending in an unstrest Containing a short $i$ followed by a single consonant (other and a silent final $e$, drop the silent final $e$. That is-
$f_{a c t i l}{ }^{(1)}$ For unstrest -ile, pronounced -il, spell -il. Thus, docil, fertil, missil, projectil, reptil, servil, textil, volatil, etc.
${ }^{d i s c i p l i n}{ }^{(2)}$ For unstrest -ine, pronounced -in, spell -in. Thus, destin, , doctrin, engin, examin, imagin, medicin, sanguin, etc.
(3) For unstrest -ise, pronounced -is, spell -is. Thus, anis, practis, premis, promis, treatis.
${ }^{d e}$ finit, $^{(4)}$ For unstrest -ite, pronounced -it, spell -it. Thus, apposit, favorit, granit, infinit, opposit, preterit, requisit, etc.
(5) For unstrest -ive, pronounced -iv, spell -iv. Thus, activ, executiv, indicativ, motiv, positiv, vindictiv, etc.
$I$.
$G^{G} \operatorname{mer}_{\text {al }}$ rule for words in -ed, pronounced -T.
sipgle Substitute or restore $t$, reducing also the double consonant to a tript, Thus, cropt, dropt, stopt, topt, clapt, snapt, trapt, dipt, etc., crost, tost, drest, prest, dasht, wisht, pusht, etc.

And now here is publisht a THIRD LIST.
The Simplified Spelling Board and the Advisory Council have adopted, and they now publicly recommend, the simplified spell ings contained in this Third List, covering the following clases of words:
I. Words having ea pronounced as short $e$, as hed, speleb, tred, helth, welth, relm, heven, medow, etc.; also words ea pronounced as $a$ before $r$, as harken, hart, harth.
II. Preterits and participles ending in -ed pronounced ${ }^{-d}{ }^{a}$ armd, burnd, curld, fild, hangd, livd, raind, seemd, veild, etc.
III. Words ending in unstrest -ice, pronounced -is, as cop $\mathrm{p}^{\text {ifr }}$ cornis, crevis, justis, lattis, notis, servis, artifis, edifis, etc.
IV. Words ending in $-v e$, pronounced -v , preceded by $l 0^{1 /}$ as delv, shelv, twelv, solv, resolv, carv, curv, serv, reserv, etc.

A detailed statement of these four classes follows.
It will be observed that in this Third List, as in the prin ceding lists, the simplifications are easy, and, in respect to letters or suffix affected, final.

In due course the three lists will be printed in one alfape tic order, and used as a basis for more extensiv simplificatio ${ }^{15}$ appear in a larger list or Vocabulary of Simplified Spellings.

It will be understood that an approval of these proposals doved not bind one to a personal use of all the forms thus app the The main purpose is to provide teachers and editors and who wish to introduce simplified spellings as they have oop tited tunity, with the permanent sanction and guidance of an auth list of accepted simplifications.

The spelling of this circular is made to conform to the $\sin \sin p^{2 i r}$ fications recommended herein (classes I-IV), in addition to of the First and Second Lists.
I. words haying EA pronounced as short E.

There is an important group of English words having $e$ one or more consonants, pronounced as short e ${ }^{(6)}$. these words, the $e a$ was formerly pronounced as long $\hat{\theta}$, remains in some dialect use. The ea is still so pronounced in great, jean, steak, yea, and in some surnames, as Beattie, Eames, MacLean, Yeats, etc. It was at one time, in some
${ }^{\text {a }}$ diphthong, pronounced îa. Even now, in some dialects, the $e a$ is ${ }^{\text {Pronounced }} \mathrm{a}$ and 'a. The Anglo-Saxon vowel swere respectivly ${ }_{l}^{e}$ (breakfast, feather, leather, stead, tread, etc.), èa (bread, dead, ${ }^{\text {lead, etc.), eo (heaven), } \hat{\wedge} o \text { (breast), } \notin \text { (read, pret., spread, cleanly, }}$ leanse, etc.). In the words of French origin the Old French
and Middle English vowel was e (endeavor, jealous, measure, etc.).
has the normal literary pronunciation of most of these words tighteen with short e (c), since the beginning or middle of the often enth century. They are found speld with single $e$ (tho that $r_{e d}$ ment ê, not $\breve{e}$ ), namely bred, brest, ded, dred, hed, heven, $H_{00 k e r}$ (pret.), etc., in Latimer, Surrey, Sackville, Spenser, Raleigh, Wood, Bacon, Sylvester, Drayton, Shakespeare, Jonson, Heyand , Selden, Herbert, Walton, Howell, Milton, Cowley, Vaughan turies. most other writers of the sixteenth and seventeenth cen${ }^{l}{ }^{l}$ ed es. In (pret.) some cases the simple form has prevaild, as red (adj.), in the fret.). Stedfast is very common, and was therefore included Ehglish First Iist (the Three Hundred Words). It occurs in the in Latimible (1611-1908), in the Book of Common Prayer, and Dryden er, Spenser, Sidney, Drayton, Milton, Butler, Bunyan, , Thomson, Shenstone, Milman, etc.
Short Many other words now pronounced and speld with simple With $e$, Were formerly often pronounced, in the Tudor period, for the gh $\hat{\hat{e}}$, and speld with ea, as healp, neast, reast, shead, etc., ed. Why help, nest, rest, shed, etc. These have been simplieasy, why not simplify the rest? The simplifications is obvious, and final. The following is a list of the primary words and their com-
tor mest
therivates, with the simplifications. Six are merely preterit. harkt with a dash prefixt), and one is a suffix:

| $\mathrm{brad}_{\text {rad }}$ | ALREDY | dread | DRED |
| :---: | :---: | :---: | :---: |
| breadth | BRED | -dreant | - DREMT |
| brealfast | BREDTH | endeavor | ENDEVOR |
|  | BREKFAST | feasant |  |
| cleath | brest | (pheasant) | FESANT |
| Mearly | Breth | feather | FETHER |
| se | Clenly | head | HED |
|  | Clense | -head (-hiood) | -HED |
|  |  | leaven | Leven |
|  | DED | meadow | medow |
| y | DEDEN | -meant | -ment |
|  | DEDLy | measure | MESURE |
|  | DEF | peasant | PESANT |
| alt | DEFEN | pheasant-see | asant |
| h | -DELT | pleasant | PLESANT |
| 9 | DETH | pleasure | PLESURE |


| health | HEITH | steady | STEDY |
| :---: | :---: | :---: | :---: |
| heather | HETHER | stealth | STELTH |
| heaven | HEVEN | sweat | SWET |
| heavy | HEVY | thread | THRED |
| instead, in stead | INSTED, IN STED | threat | THRET |
| jealous | JELOUS | threaten | THRETEN ${ }^{\text {TRECHEROUS }}$ |
| jealousy | JELOUSY | treacherous | TRECHER |
| lead (metal) | LED | treachery | TRECHER |
| leaden | LEDEN | tread |  |
| -leant | -LENT | treadle | TREDLE <br> TRESURE |
| -leapt (Eng.) | -LEPT | treasure | TRESURER |
| leather | LETHER | treasurer treasury | TRESURY |
| ready | REDY | wealth | WELTH |
| realm | RELM | weapon | WEPON |
| spread | SPRED | weather | WETHE |
| stead | STED | zealot | 2ELOT |
| steadfast | STEDFAST | zealous | zELOUS |

The ordinary derivates and familiar compounds not named diy the above list include breaded, breasted, dreaded, headed, lead hed measured, threaded, treasured, etc., breathless, deathless, feal th' less, headless, measureless, weaponless, etc., deadly, thredy: heavenly, feathery, heady, healthy, leathery, stealthy, heath wealthy, etc., dreadful, healthful, etc., deadness, deafness, ness, pleasantness, steadfastness, etc., peasantry, pleasantry $\mathrm{e}^{\text {th. }}$ heavily, jealously, readily, stealthily, etc., ahead, behead, head long, headstrong, etc., bedstead, farmstead, homestead, beebrtc. sweetbread, etc., deadening, deafening, spreading, threatening, of unhealthy, unleavened, unpleasant, unsteady, etc. All these, ${ }^{\text {ly }}$ course, will be simplified in the same way, by omitting $a$, na $^{2}$ hed ${ }^{(d)}$ breded, brested, dreded, heded brethless, hevenly, plesantly, heb helthy, thredy, rediness, spreding, thretening, etc.

It may be thought that words like ready and already, derivates and inflections like heady, steady, thready, spreading, etc., reaced by the mere omissio of the $a$, to redy, alredy, hedy, stedy, thredy, heded, dreded, the spreding, etc., require then a doubling of the consonant, in kepp with the analogy of reddish, bedded, bedding, etc. And it is that ready, steady, dreaded, spreading, etc., if the a had be $\mathrm{II}^{(1)} \mathrm{m}^{\prime}$ ways dropt, and the vowel shortened, in the sixteenth cendind would have become regularly reddy, steddy, dredded, spredeat etc. Such forms are in fact common in print until the ninete and century Bunyan, Mitford Landor have steddy, Milton has dredded, Lodge Mitford has reddy, etc.), and they abound to-day in writing ${ }^{\text {an }}$ escapes print. But this analogy has never been dominant exfep in words whose origin was not obvious. Words that wete
to be of Latin or Greek origin have kept the consonant single if it is single in the original language, as credit, edit, meditate, element, city, pity, copy, solid, study, etc., metal, petal, critic, sponic, onyx, cynic, etc. The readoption of reddy, steddy, dredded, spredding, ecynic, etc. The readoption of reddy, steddy, dredded,
a pring, while not unreasonable, would seem to favor a principle etc., while not unreasonable, would seem to favor Obvious Latin and Greek origin. If so applied, it would revive Spellings like creddit, citty, coppy, studdy, etc., and require also medditate, ellement, rappid, etc.

In a few words ea before $r$, earlier pronounced $\hat{0}$, has past thru $\hat{e}$ to $æ$ ( $\hat{a}$ long) and thence to $\hat{a}$, and are now pronounced as if speld with $a$ long) and thence to $\hat{a}$, and are now pronounced as sixteenth and seventeenth centuries. It is recommended that the ${ }^{\boldsymbol{e}}$ be omitted. The following are the words:

| hearken | HARKEN (First List) |
| :--- | :--- |
| heart | HART |
| hearth | HARTH |

## II. words having -ED pronounced as -D.

In its first publication containing a series of simpler spellings,
$N_{0}$ "List of common words speld in two ur more ways," Circular the 2, March 21, 1906, the Simplified Spelling Board recommended till choice in some seventy special cases, of the spelling $-t$, as terits existing and widely sanctioned in those cases, for the pre${ }^{-d} d$ and perfect participles of so-cald regular verbs ending in the Pronounced -t. In the Second List (No. 18, January 30, 1908), for rule was extended to cover all cases. The change was urged Tas reasons of truth and convenience; but abundant authority given in the long usage of the great writers. first, on the ground that they were alredy in some use. seems desirable to extend the recommendation to the in -ed, pronounced -d, and formerly often speld with , as in armd, deemd, burnd, raind, renderd, etc.
ending speld -ed was at first pronounced -ed, in every In certain positions the vowel tended to fall out of betweence, and for several centuries the pronunciation waverd may be ed and -d, and the words were speld accordingly. It ${ }^{1830}$ be taken as a rule that in any book printed before about atd words printed with -ed were pronounced with an audible -ed, Mot till ths pronounced with -d were printed with $-d$ or ' $d$. It was inding the nineteenth century that the custom of printing the At in comiformly -ed, whether so pronounced or not, became

Only a few spellings with simple $d$ for the earlier -ed, now remain out of the former wide use, and they are somewhat dis guised in form (paid, staid, shod, etc.). But the whole array of words so simplified may be found in standard writers from Latimer, Surrey, Sackville, thru Spenser, Hooker, Lodge, Syl vester, Drayton, Shakespeare, Jonson, Heywood, Selden, to Howell, Milton, and Cowley. They wrote and printed forms like armd, deemd, reard, kild, etc., even bruisd, rousd, usd, etc., with out the apostrophe. (See the lists on pp. sŭceeding. From about 1590 these forms often appeared also with the apostrop the arm'd, deem'd, rear'd, kil'd or kill'd, bruis'd, etc. Both fortm $-d$ and -'d, were common in prose and verse alike. From the Resid, ing -' $d$ was the common custom in prose, and the regular fastion in verse (Dryden, Prior, Pope, Thomson, Young, Gray, Cower! etc.). In the first half of the nineteenth century also the spell ing -' $d$ continued in verse, as in Scott, Byron, Rogers, Camp ${ }^{\text {bell }}$. Keats, Shelley, Wordsworth, Tennyson, etc.; but since the peti ${ }_{185} 0^{2}$ faction of spelling under recent publishers, from about fthe editions of the poets are usually printed with -ed insted of $-d,-' d$, or $-t$ of the authentic editions. This produces uniformity' but it conceals the truth.

But even the apostrophe is not needed in this case. It is $0^{0+1}$ used in other cases where the silent $e$ has been omitted in $p$ pint as in paid (payed, paied), slaid (stayed, staied), and the like, and in all the plurals now having -s (formerly -es), as hats, books, caps, boots, etc., and in inflections of verbs, as crass, slips, talkst etc. The apostrophe remains in common use only in the pos ${ }^{55^{5}}$ siv. In the possessiv it was inserted, first in proper names (abpude 1590), without any regularity (Plato's, Ceesar's, God's, beffist Platos, Ceesars, Gods or Goddes, etc.), and it did not become ${ }^{\text {trss }}$, until far into the eighteenth century. It is not used in its, pasi yours, hers, theirs. It is at this day often omitted in certain pople
 etc.; in names of societies and corporations and in public sif $\mathrm{c}^{2 b^{i m}}$ as in Farmers National Bank, Teachers College, Ladies ca ${ }^{\text {tc }}$ etc.; and in place-names, as in Kings (county), Dobbs Ferry, ${ }^{\text {et }}$

The simplification of $-e d$ to $-d$ has been accepted by all ${ }^{\text {il }}$ some words which end, in the infinitiv, in a vowel digraf; namely paid, earlier payed and paied; staid, earlier stayed and stail and shod, contracted from the participle of shoe, before shoe chation ed its pronunciation from shô to sĥ̂. Paid and staid are felid of a group of simplified forms which included faid, plaid, palaid, straid, allaid, betraid, decaid, dismaid, etc., cloid, destroid, emplaid. etc. Other relics of this simplification appear in certain part are ples which have lost their association with their verbs, and aded, used only as adjectivs, namely, afraid, (earlier afrayed, affraye
afeard (earlier afeared), fond (earlier fonned). So also scald (Shakespeare) for earlier scalled, and bald, adj., for earlier balled. iso, too, the adjectivs lewd, shrewd (earlier lewed, shrewed). An isolated case is made, for earlier maked, makede.

In some preterits and participles the vowel before d disapBeard before the Anglo-Saxon period; namely, laid, said (Milton, and would. Vaughan have sed) and heard; had; could, should would; sold and told.

It will be notist that the forms having $-e d$ pronounced $-d$ are Such as have in the infinitiv, as pronounced, a final sonant. It is Weak when the -ed is preceded by a sonant, other than $d$, that the Weak vowel falls out of utterance, and the two sonants come that is lived, seemed, barred, etc., becoming liv'd, seem'd, barr'd, any is livd, seemd, bard. The rule is: If the infinitiv ends in $z$, th Sonant consonant except $d$, namely, $b, g, l, m, n, n g, r, s=$ ${ }^{e}$ of the $v$, or $z$, or by $h$, or by any vowel or diphthong, the omitter added -ed becomes in ordinary use silent, and may be rimmed. Examples are : Ribbed ribd, rigged rigd, killed kild, $\mathrm{liv}_{\mathrm{v}} \mathrm{m}_{\text {, }}$ sneezed, tanned tand, ringed ringd, breathed breathd, lived containeezed sneezd, buzzed buzd, hurrahed hurrahd. If the word sequince $s$ pronounced $z$, the omission of $e$ would produce the $\mathrm{form}_{\text {merly }}$-sd, which is not satisfactory, tho such forms were the $s$ is in some use: raisd, pleasd, rousd, bruisd, usd, etc. Until in full $s$ is changed to $z$, it seems best to retain the present spelling raised, pleased, bruised, used, etc.
by If the final vowel or diphthong as pronounced is represented etc., plow, or -ow, or by -ay, -ey, or -oy, as in claw, hew, flow, as ' in play, survey, annoy, voller, etc., the $e$ of eed can be omitted, volle $d$ clawd, hewd, flowd, followd, etc., pland, survend, anno? d, the $d$, etc. But if it is represented by -ie, or by -y reverting to $t_{r i_{e d}}$ Original -ie- in inflections, the $e$ of -ed remains, as in died, One timplied, etc., carried, married, etc. Such forms were at di'd, time written dide, tride, complide, etc., (like made), sometimes , compli'd, etc., carri'd, marri'd, etc.
${ }^{s} 0_{0}$ If the infinitiv as speld contains a silent $e$ after a single con(a.e, preceded by a long vowel not represented by a digraf ${ }^{e t}$.), e. the e, i..e, o..e, u..e, as in cane, revere, bribe, robe, rule, effect ee $e$ can not well be omitted at present, because it is in diacritic of the vowel pronounced; as in caned, revered, ${ }^{2} b^{\prime} d$, robed, ruled, etc. But the forms can'd, rever'd, brib'd, rul'd, etc., have long been in familiar use.
The simplification of -ed pronounced -d, to $d$ is peculiarly con-
Venjent in the preterits of verbs which end in the infinitiv in
unstrest $-e l,-i l,-a l,-o l$, as level, ravel, travel, cancel, etc., cavil,
metal, carol, etc. These preterit forms and other inflections and derivates are found in the ordinary spelling either with a double $l$ or with a single $l$ as travelled or traveled, travelling or traveling, etc. As both spellings exist, the words fall under the hed "Words speld in two or more ways," and were mentioned as such in the circular of that title (No. 2, March 21, 1906), in connectio1 with verbs in unstrest $-e t$, with $t t$ or $t$ (rivetted or riveted, etc.).

But the simpler spellings leveled, raveled, traveled, cancelad etc., may be simplified further by omitting the silent $e$ before The simplified forms of the type leveld, raveld, reveld, tavel trammeld, canceld, channeld, etc., are now recommended by the Board and Advisory Council. In the alfabetic vocabulaty verbs in -el will be entered with the inflected and derived for as follows: leveld, leveler, leveling, etc., traveld, traveler, traveling etc. These are exactly analogous to forms from verbs in ar as barterd, barterer, bartering, etc. And such forms have ample literary precedent. Lodge, Niccols and Milton have leveld, $\$$ vester has raveld, Spencer has traveld, Shakespeare, Williall Browne ('Britannia's Pastoralls'), Sir Thomas Browne ('Relig d Medici') and Milton have canceld, Sidney, Drayton, Selden etc., Milton have enameld, Shakespeare has cudgeld, quarreld, e ${ }^{\text {ct. }}$ Milton has emboweld, and so on.

The silent $e$ of $-e d$ in preterits like babbled, dazzled, etc., frol verbs ending in $l e$ - pronounced -el (-el or - 1 ), as babble, daying struggle, battle, etc., can not well be omitted, until the spel fler of the words ending in -le (-ble, -cle,-dle, -fle, -gle, -kle, -ple if in $-z l e$ ) is regulated. They require separate consideration. pay these words in -le we restore the former -el, the preterit may simplified by writing it -eld, namely, babbeld, dazzeld, etc. question of the double consonant, and the eexact notation the weak syllable (whether $-e l$, or $-e l$, or $-l$ or $-l$ ), would re to be determind. Puttenham has dazeld, Milton embatteld, etc.

The spelling with simple $d$ applies with peculiar fitness to the preterits of words in -ile and -ine when simplified to -il, iinn Thus, while the preterits of the simplified forms domicil, examin imagin, etc., would still be domiciled, examined, imagined, ${ }^{\text {tr. }}$. the simplification here proposed would complete the reguta mely and make domicild, examind, imagind, etc., the accepted, as as the correct forms.

The neat and succinct appearance of the simplified for rlis $^{\text {of }}$ in the words in -ed, as reduced to simple $-d$, with the reduction many cases, of the doubled consonant preceding, is $-t$ : by placing them in line with similar simplifications in $-t$ :

|  |  |  |  | WHIZD |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| NABD | RIBD | SOBD | BAGD | SNEEZD | WHI |
| NAPT | RIPT | SOPT | BACKT | CREAST | STRES |

Clubd
Clupt
DOGD
DOFT
KILD

MAND
GRIEVD
ESTEEMD
DOFT
KIST
MENT
BRIEFT
EXPREST
Observ also the symmetry of the existing parallel forms of certain preterits, when both are speld with accuracy:
DWELD
DWELT
The Board has not undertaken to decide which of these forms, ${ }^{\text {as }}$ spoken, is to be preferd. Both are correct. Whichever form you use; spell it accurately.
The preterits, participles, and participial adjectivs in eed
pronounced -d , number more than fourteen hundred. Those
that were in mary of in use in the sixteenth and seventeenth centuries, and alternof earlier use, were speld, often or usually, with simple $d$, Such spelling after about 1590 , with -'d. Abundant authority for Writers. Spellings may be found in the original works of the standard many . Fxact references can be given for the following among thousands of examples:
$a_{n s w e r e d}$ Caxton (c. 1412-1492) has kild, kyld, payd, playd, prayd, covered (couerd),(delyuerd), enterd, etc.
(chilleden) Sper (1552-1599) has armd, bowd, breathd, cald, child kild, mod, cloyd, cond, dimd, drownd, duld, fild, feld, hangd, heald, see. mard, mournd, playd, prayd, puld, queld, raizd, reard, robd, skild, soild, spild, stird, strowd, sumd, sweld, tand, thrild, $a_{n_{0}}$, viewd, weend, wingd, abandond, abhord, adornd, allayd, Peld, conswerd, appald, appeard, attaind, benumbd, colord, comdisplaid conceald, congeald, containd, decaid, decayd, delayd, devourd, inferd, enjoyd, enrold, exceld, expeld, fulfild, harbourd, harrowd, Preferd, $^{\text {red }}$, labourd, mentiond, occasiond, odourd, over-ruld, perceivd, redeemd, resolvd, returnd, reveald, transferd, etc.
${ }^{r}{ }^{\text {Hepeld, eter }}$ (1553-1600) has cald, puld, abhord, controld, exceld, skild, Sidney (1554-1586) has burnd, feard, kild, plaid, puld, rubd, turnd, conteind, etc.
$d_{r}$ Lodge (c. 1556-1625) has armd, bard, breathd, cald, dewd,
he mhd $^{\text {Lend, erd, faind, fawnd feard, feld, fild, frownd, gaind, hangd, }}$ veald, joynd, longd, mard, pend, plaid, pulde, rigd, robd, saild, ${ }^{\circ} w_{0}$, servd, soard, spoild, steeld, strewd, thrald, traind, turnd, ${ }^{c_{0}}{ }^{n} f i^{2}$ wrongd, assaild, attaind, betraid, conceald, condemnd, recald, relievdrould, disdaind, fulfild, interd, ordaind, proclaimd, relievd, renownd, resolvd, returnd, sustaind, timberd, etc.

Sylvester (1563-1617) has armd, bild, browd, clogd, curfd, crownd, downd, drownd, duld, hangd, plaid, quaild, queld, yeard rigd, robd, skild, tild, whirld, wrongd, abhord, answerd, assalid checkerd, differd, exceld, rebeld, reveald, tatterd, etc.

Drayton (1563-1631) has dragd, faild, hurld, skild, wrong buskind, controld, debard, decaid, obtaind, preferd, transferd, etc.

Shakespeare (1564-1616) has breathd, cald, cloid, crowthd culd, feard, fild, gald, hangd, kild, mard, seald, speld, spild staind, straid, straind, turnd, vowd, accustomd, angerd, begget blisterd, conceald, conquerd, coverd, distild, disturbd, enampud. entertaind, flowerd, imagind, interd, martird, murderd, pinith proportiond, slaughterd, temperd, tuterd, etc.

Jonson (1573-1637) has bard, cald, fild, furd, kild, plaid reard, shund, spewd, stivd, blazond, compeld, conferd, embrorth emploid, extold, flatterd, preferd, etc.

Heywood (c. 1575?-c. 1650?) has curbd, fild, kild, plaid, pleash ploud, sowd, tild, abhord, adord, burdend, conferd, contrould, $\mathrm{m}^{1 \mathrm{~m}^{\prime \prime}}$ tiald, etc.

Selden (1584-1664) has aimd, claimd, daubd, hangd, jop livd, turnd, abstaind, affirmd, answerd, betterd, bestowd, comp hord, confirmd, coverd, deceivd, deliverd, entertaind, examind, rement maintaind, offerd, performd, receivd, reckond, referd, reformd, rem berd, repeld, silverd, summond, transferd, etc.

Wither (1588-1667) has bard, begd, blurd, cald, clogd, lowh fangd, gald, fagd, kild, mand, pend, scand, spoyld, straid, aloph allowd, annoyd, betraid, cankerd, conceald, controld, delayd, emplo) extold, interd, pamperd, pesterd, preferd, etc.

Quarles (1592-1644) has armd, crownd, foild, frownd, spurfith abhord, alterd, appeard, beleaguerd, cloysterd, condemnd, conq ${ }^{2}$ contemnd, destind, dissolvd, scandald, slanderd, etc.
 Latimer, Golding, Kendall, Tusser, Gascoigne; in Baldwin, $a_{a p}{ }^{d}$ ville, Churchyard, Ferrers, Higgins, Blenerhassett, Niccols . $8 i^{\prime}$ the other puets of the 'Mirror for Magistrates' (1559-1575-1 jef', 1610); in the ballads, broadsides, plays, histories, antholog letters and documents of the Tudor and Stuart periods.

Camden (1551-1623) has burnd, gald, etc.; Florio (c, $15_{16^{5} 5^{4}}{ }^{4}$ 1625) culd, luld, rubd, stild, etc.; Cotgrave (c. 1570?-c. bagd, bild (billed), furd, jagd, etc.; George Herbert (1.593-liveth outlawd, seald, etc.; Howell (1594-1666) drownd, coverd, delivert
discoverd, observd, etc.; Cowley (1618-1667) bowd, plaid, sweld; Vaughan (1621-1695) scornd, happend, whitend.

Milton (1608-1674), poet, scholar, statesman, a reformer in all things, used, in prose and verse alike, such spellings as armd, wed, barbd, bowd, calld, chaind, claimd, coold, crownd, curld,
deemd, feard, doomd, draind and dreind, dreamd, drownd, drugd, faild, daild, foild, formd, frownd, gaind, grievd, groand, joind, livd, moovd seem, plaid, plaind, pleasd, pourd, raind, reard, roard, scornd, warnd, shund, sinnd, sowd, spoild, staid, turnd, veild, warmd, ${ }^{\text {ccustomd }}$ weend, weighd, wingd, witherd, wonderd, wreathd, abandond, bannerd, adornd, alterd, answerd, appeard, arrayd, assaild, assayd, concernd, belongd, bereavd, bestowd, borrowed, broiderd, colourd, $v_{0} y_{d}$, desernfirmd, conformd, considerd, constraind, conveyd, condeserva, despaird, despoild, destind, destroyd, discernd, disentert, dissolvd, distemperd, disturbd, enamourd, endowd, enterd, ministerd, exclaimd, extold, flutterd, founderd, hallowd, involvd, ordaind, numberd, obeyd and obeid, observd, occasiond, offerd, ${ }^{r_{n_{s}}}{ }^{i n d}$, perceivd, pillard, proclaimd, prolongd, purloind, questiond, ${ }^{r e t t u r}{ }^{m} d$, receivd, recoild, recoverd, registerd, remaind, renownd, rond, reveald, scatterd, severd, shatterd, shelterd, slumberd, squadwonderdmmond, sustaind, temperd, transferd, transformd, waterd, $l_{i p t}{ }^{2}{ }^{2}$, etc., and of course also such forms as dropt, lopt, slipt, Milt stept, etc., as well as rime, fantasm, solem, etc. This is the Whose memory the world has lately been celebrating.
The habit of spelling with simple $-d$ has never been wholly Cighdond. Any one who has seen original manuscripts of the
compenth century known that such spelling was then very
andmon. This fact comes to light in print, when the editors printers refrain from inserting the $e$, or the apostrophe, into sim author's text. Accurate reprints of the originals show the of the $-d$. This is the case, for example, in a recent critical edition ('Writings)' letters of the great Puritan statesman, Samuel Adams letters to ins, ed. Cushing, 1907). He regularly used, in his allo ${ }^{\text {end }}$, o the Revolutionary leaders such spellings as armd, burnd, $d_{\text {sesi }}$, chag, saild, seizd, signd, starvd, steerd, straind, abandond, infignd. chagrind, complaind, concernd, conceivd, considerd, declind, despaird, destind, disturbd, employd, favord, governd, injurd, involvd, labord, maintaind, observd, receivd, rereatend, etc.
${ }^{\text {as }}{ }^{\text {ty }}$ Fromn the above and other examples, the following are selected $i_{s}{ }^{\text {nd }},-r d$, cases, covering all the varieties of termination ( $-l d,-m d$, ${ }^{\text {is }}$ given in ${ }^{-r}$ nd, -vd, etc.), and set in column form. The fuller form ailed
aimed the first column, the simplified form in the second.


| peered |  |  |  |
| :--- | :--- | :--- | :--- |
| preferred | PEERD | webbed | WEBD |
|  | PREFERD | withered | WITHERD |

## III. WORDS HAVING -ICE PRONOUNCED AS -IS

the The Second List (January 30, 1908) includes a rule to simplify cerned ${ }^{4}$ ntrest ending -ise (with short $i$, to is. The words consimplified anise, mortise, practise, premise, promise, treatise, ${ }^{1 r e a l i s i s}$. In respectively to anis, mortis, practis, premis, promis, near future the discussion in the Board, it was proposed that in the be simplure the words ending in unstrest -ice with short $i$, should Second lified in like-manner. The proposal was repeated in the in fact, List (p. 13).' "It has now been officially adopted. It is, and final.

The following are the principal words concerned:
${ }^{\text {accomplice }}$
aprentice
armistice
arifice
a
auspice
avarice
bence
benefice
brattice
cicatrice
coppice
coppice
cornice
cower
Cowardice
Crevice
centing
endrifice
edifice
eoralice
nstertice

| ACCOMPLIS | jaundice | JAUNDIS |
| :--- | :--- | :--- |
| APPRENTIS | justice | JUSTIS |
| ARMISTIS | lattice | LATTIS |
| ARTIFIS | licorice | LICORIS |
| AUSPIS | malice | MALIS |
| AVARIS | matrice | MATRIS |
| BENEFIS | notice | NOTIS |
| BODIS | novice | NOIIS |
| BRATIIS | office | OFFIS |
| CHALIS | orifice | ORIFIS |
| CICATRIS | poultice | POULTIS |
| COPPIS | practice | PRACTIS |
| CORNIS | precipice | PRECIPIS |
| COWARDIS | prejudice | PREJUDIS |
| CREVIS | prentice | PRENTIS |
| DENTIFRIS | pumice | PUMIS |
| EDIFIS | service | SERVIS |
| FORTALIS | solstice | SOLSTIS |
| INTERSTIS | surplice | SURPLIS |

Thel There is one word ending in unstrest -uce that virtually lettis erly the class of words in -ice. This is lettuce, which was , and lettu also lettice (as by Jeremy Taylor), beside lettise, lettus. The spelling lettis should be restored:

## lettuce, lettice

## LETTIS

Itom An additional advantage in the simplification of these words
def vative to is will be that the eed, then coming after $s$ in the ${ }^{4}$ Pron preterits, perfect participles and participal adjectivs_in Onounced $-t$, can be simplified to $-t$. Thus:

| apprenticed | APPRENTIST | noticed | NOTIST |
| :--- | :--- | :--- | :--- |
| beneficed | BENEFIST | poulticed | POULTIST |
| corniced | CORNIST | practiced | PRACTIST |
| creviced | CREVIST | prejudiced | PREJUDIST |
| jaundiced | JAUNDIST | prenticed | PRENTIST |
| latticed | LATTIST | surpliced | SURPLIST |

This opens the way for a similar simplification to come in preperad forms like danced, lanced, advanced, enhanced, fenced, command minced, convinced, bounced, announced, pronounced, etc., danst, lanst, advanst, enhanst, fenst, commenst, minst, con .f bounst, announst, pronounst, etc. Forms like these with (beside $-s^{\prime} t,-c^{\prime} t$ ), $-c^{\prime} t$ abound in the works of Spenser, S Shakespeare, Jonson, Milton, and their contemporaries.

All the older words in the -ice list were formerly speld ${ }^{\text {as }}$ some of them exclusively, with $s$, either -is or -ise, and the $0^{\text {set }}$ plification is therefore in great part the restoration of a sempis form. Practise preceded practice. Service was often sice the malice was often malis, and so on. In the case of bodid earlier form was bodies, the plural of body. In only a fed difit namely, artifice, edifice, office, orifice (Lat. -ficium), (I, at. -fricium), prejudice (Lat. -judicium), surplice (Lat. -pellict in in was the consonant in question originally $c$, and it was in me pronounced as $k$. In one word, the earlier -ice has $\mathrm{bec}^{0}{ }^{\text {a }} \mathrm{bd}^{\circ}$ the former nourrice, norice, nurce (Lat. nutrix, nutricem) ${ }^{h^{9}}$ come nurse.

## IV. Words ending in -VE preceded by L or R.

Among the many words ending in silent final $e$ in win $\mathrm{in}^{\text {th }} 0^{u^{4}}$ final $e$ can be omitted without throwing the other letters in sociations momentarily confusing, are the words ending in after $v$, preceded by $l$ or $r$ (-lve, -rve). The silent final $e$ with ${ }^{0} \psi^{l}$ sequences has no effect, and may be omitted therefore producing any effect. The Board has alredy recommended did omission the suffix -ive. See Second List, in -IVE, Circular No. 18, p. 14.

The words in -lve subject to the simplification include of nativ origin (delve, helve,shelve, twelve), and three small of words from Latin primitivs in solvere (solve, absolve, dissolve, resolve), VOLVERE (circumvolve, convolve, devolve, revolve) and valva (valve, bivalve, univalve):
absolve bivalve circumvolve convolve

ABSOLV
bivalv
circumvol.v
CONVOLV
involve resolve revolve shelve
involve
RESOLV
REVOLV
SHELV
delve devolve
dissolve CVolve
helve -

| DELV | solve | SOLV |
| :--- | :--- | :--- |
| DEVOLV | twelve | TWELV |
| DISSOIV | univalve | UNIVALV |
| EVOLV | valve | VALV |
| HELV | selves | SELVES |

infle The $e$ would be omitted also, of course, in plurals and other aplies to. Thus, helvs, shelvs, valvs, etc., delvs, solvs, etc. This Milton to the plural of self, thus, selvs, ourselvs, yourselvs, themselvs. has our selvs. Fuller has twelv.
it Three words formerly in this class are now separated from salve, the loss, in prononciation, of the $l$, namely, calve, halve, and hav, These could be simplified only to cîv, hîv, sâv, or to cav, sav. They may be let alone for the present.
The common words in -rve are as follows:


| CARV | preserve | PRESERV |
| :--- | :--- | :--- |
| CONSERV | reserve | RESERV |
| CURV | serve | SERV |
| DESERV | starve | STARV |
| NERV | subserve | SUBSERV |
| OBSERV | swerve | SWERV |

Other classes are reserved for future consideration. ${ }^{1} M_{\text {ADISON }}$ The Simpiri
January $25,1909$.

## The english implified spelling society.

44, Great Russell Street, London, W. C.
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The Simplified Spelling Society has been founded in orde to promote a better understanding of the history of English Spelimit to advocate the gradual introduction of such reforms as shal the move the difficulties placed by our present chaotic spelling in the way of children and foreigners; and to provide teachers and ${ }^{0}$ isation who are acutely conscious of these difficulties with an organisatio for furthering their views.

Membership of the Society is open to all who (without $c^{c \mid 1015}$ mitting themselvs to any particular proposals) approve of port general principle that English Spelling ought to be brought jisp into harmony with reason and conveniens, and are willing to ${ }^{9}$ a declaration to that effect.

The Minimum Annual Subscription is One Shilling, the mum Life Subscription, Twelve Shillings. Members are of to receiv, gratis and post free, all the publications Society.

## EXPLANATORY NOTE.

(For the English Simplified Spelling Publications.)

The spellings adopted in the publications are desiffre merely to accustom the reader to a certain mesure of change.

They consist, for the most part, in the dropping of manifect superfluous letters. It is fully recognized that simplification be of any substantial value, whether in education or in colil life, must go much further than this.

But, lest confusion be worse confounded, more reforms must be introdused with great caution, and study of the complex problems involved. It is one of the of the S. S. S. to further this study. In the meantime, it ende it in its publications to educate at once the seeing eye and the ing mind.

Many seeming inconsistensies wil doubtless be obser ved de de the critical reader; some of them, in all probability, mere sights. As absolute consistensy is unattainable in a trajul ${ }^{\prime 2}$ state, it has not been held necessary to aim at it too sedul

But many of the apparent inconsistensies hav their reas which may or may not be deemd adequate.

The main principles kept in view hav been (1) to do nothing Which might probably have to be undone in the future; (2) to (esp all spellings, which in the absens of a systematic notation (especially for long vowels and difthongs), might leav the pro${ }^{\text {n unsiation }}$ doubtful.
For example: No attempt is made to reduse to unity such
forms as light, white, height, or great, late, bait, weight, or beet,
bleat, deceit motat, deceit, mete, becaus there is as yet no consensus as to the otation to be ultimately adopted for these sounds.
"all" "he second " 1 " is dropt in "wil" and "spel", but not in May or "pull", becaus it seems likely that "wil" and "spel" final forms, which "al' and "pul" wil scarcely be. The "gh" is dropt in "taut" becaus there is no danger of its
having to be" replased, and becaus no ambiguity of sound arises. "cannot be replased, and becaus no ambiguity of sound arises. chosen which shal represent the "au" sound. Fisk Final "ce" is usually changed into " $s$," even at some slight
the of ambiguity, since final "s" in English generally represents "nd "wiil or " $z$ " sound. This ambiguity, huwever, is not serious, with "pass away as soon as the time is ripe for dealing radically "hange" and " $z$," Yet where, as in "since" and "hence," the ag is suggest a totally different word, the conventional gg is retained.
Perhaps list of examples might be indefinitely extended. It is Sufficient to show that seeming inconsistensies should be examined before they are condemd.

## SIMPLIFIED SPELLING SOCIETY

44, Great Russeli Street, Lonon, W. C.

England.

## COUNTY ACADEMY ENTRANCE EXAMINATION.

Regulations 61 of the C. P. I., (page 81, Manual of School Law) is repealed and the following substituted in its place:

The regular mode of admission into county academies shall be by an entrance examination in the last week of the school tertill June, on the common school course Grade VIII. There shall be six subjects of examination, as follows, the questions being sert out from the education office:-(1) Reading-to be tested by thl . examiners on the Grade VIII reading, (Second series for 19 of [Music: Candidates known from individual or class exercises, from reliable certificates, to be able to sing, especially when the) have a practical acquaintance with any system of musical notation may receive an extra mark as a bonus under this head at the option of the examiner, providing the Reading is passable. See also $G_{\text {Gel }^{\circ}}^{\mathrm{Re}^{\circ}}$ 99.] (2) Language. (3) Drawing and Bookkeeping. (4) detaill graphy and History-Geography of Asia, Africa, Oceania, in Calkial) with a review of Canada. History of Canada (Hay or Cal $\mathrm{RO}^{\mathrm{of}}$, (5) General Knowledge: (a) The five families, Crowfoot, the Heath, Violet and Lily; with the important native trees and rod common weeds injurious to agriculture. (b) The common ${ }^{\text {do }}$ 號 and minerals of Nova Scotia. (c) Common insects injurial $H$, plants and animals. (d) A few of the common birds. (e) M4 ${ }^{\text {ic }}$ Reader, No. 2. (Mechanic or Domestic or Rural Science, or as in Regulation 99). 6. Mathematics.

## COUNTY ACADEMY ENTRANCE EXAMINATION, TABLE, JULY, 1909.



1. Reading to be examined at the end of each session whenever found most convenient by the Principal.

From the Report of the Committee on College Entrance $^{\text {of }}$ Requirements, National Educational, Association, U. S. A., 1899.

Three distinct terms seem to be needed:
in a (1) Program of studies, which includes all the studies offered
given school;
Cally (2) Curriculum, which means the group of studies schematiarranged for any pupil or set of pupils;
method Course of study, which means the quantity, quality and of the work in any given subject of instruction.
itdeed The program of studies includes the curriculum, and may fumber of fromer of curriculums. The course of study is the unit, or element,

Which both the program and the curriculum are constructed.

## 154. HIGH SCHOOL PROGRAM FOR 1908-09.

$A_{d}$ Subject to modification for $1909-10$ on recommendation by the
ember Board, the changes, if any, to be published in the SepEducational Review for the Atlantic Provinces.]
quired (l) Description by Drawing as well as by writing may be re-
Or ${ }^{\text {ched }}$ in ancription by Drawing as well as by writing may be re-
anestion, and should always be used when brevity hess may be gained.
${ }^{\text {of }} 50 \%$ The "High School Pass" in all grades shall be an average ${ }^{\text {Grades }}$ with no mark below $30 \%$ on a group of six subjects for X and XI; and a group of nine papers for Grade
${ }^{8 r o u p}{ }^{(3)}$. The "Teachers' Pass" shall be an average of $60 \%$ on a of ${ }^{\text {Dip }}$ of six subjectsers' Pass" shall be an average of $60 \%$ on a
ho Pavever papers for Grade XII with no mark below $40 \%$. $50 \%$ ass." " ${ }^{\text {mist }}$ be made on English in each grade for a "Teachers'

[^5](5). Two hours shall be given at examination for each paper which shall contain only eight questions.
(6). When a candidate wishes to raise a "High school Pass", to a "Teachers' Pass," he shall be required to make a mark d. at least 60 on each subject not previously up to this stand aide That is, a "Teachers' Pass" by partial examinations will requar at least sixty per cent. on every subject. This can be neces and only when a candidate is not writing for a higher grade, a, ${ }^{\text {of }}$ therefore all such supplementaries can be taken on the papers. the regular examination.
(7) The "High School Pass" admits to the corresponding class in the Provincial Normal College, whose faculty can raiss it to the "Teachers' Pass" on evidence of improved scholars ${ }^{\text {bip }}$ " without which the Normal diploma cannot be awarded.
(8). Candidates for Grade XII certificates (High sch $0^{00}$, but who have made the High School average pass on the sibl $^{1 b^{\circ}}$ subjects, shall have the privilege of completing the pass at a ${ }^{a}$ in $^{2}$ sequent examination by making at least $50 \%$ on each of the papers not previously up to this standard.
(9). Candidates for Grade XII certificates (Teachers' ${ }^{2}$ as pul $^{54}$ who fail on account of being too low in Foreign language ${ }^{\text {ss, }} \mathrm{cec}^{45}$, who have made a Teachers' average pass on the other subs dut $^{u^{\text {t }}}$ shall have the privilege of completing the pass at a subsequpl examination by making at least $40 \%$ on each of the nine pap not previously up to this standard.
(10). From one to three points may be added by the did ${ }^{d^{x}}$ aminer for specially good writing. Bad writers have no rif to be admitted to an examination except on certificate of $p^{\text {hy }} y^{\text {fid }}$ tios defects, and if examined, the papers are subject to a dedur lide of marks. One point shall be deducted for every word misspe
(11). The high school subjects to be taught in a rurab, ar incompletely graded high school, shall be determined by pee school board in agreement with the principal, with an appere to the Inspector, and from him to the Council, in case of disab ment or dissatisfaction.
(12). Any subject deemed to be of importance in any ${ }_{5 c} \mathrm{chan}^{0}$ munity, may be put on the program of a school by the board with the consent of the Education Department.
(13). No school is advised to undertake the work of XII with less than a staff of four regularly employed high teachers.

## GRADE IX.

(English and any other five subjects imperative).

1. ENGLISH:-
(a) Literature-Dickens' A Christmas Carol (Riverside) and Scott's The Lady of the Lake, with critical study, word analysis, prosody and recitations. English Composition as in Sykes, to page 101, or an equivalent in the hands of the teacher, with essays, abstracts and general correspondence so as to develop the power of fluent and correct expression in writing.
(b) As in Grammar- (except notes and appendix) with easy exercises in parsing and analysis.
2
end $\frac{\text { 2. Latin: -As in Collar and Danielle's First Latin Book, to }}{}$ Chapter L., or any equivalent grammar, with easy transand composition exercises. [The Roman (phonetic) prolion of Latin to be used in all grades.]
 of continents and British Empire in detail as in Calking.
2. 

Arithmetic:--As in the Academic to page 63.
${ }^{\circ}{ }^{\text {of }}{ }^{6}{ }_{\text {hater }}^{6 .} A_{\text {A Gera }}$ :-As in Hall and Knight's Elementary to end ter XVI.
7. D PaWING:-
(a) As in Morton's Mechanical Drawing, with the construclion of the figures in Euclid, Book I.
(b) High School Drawing Course, No. I, with model and object drawing and Manual Training No. 2.
and the Science: Botany-(5 Q.). Spotton (except Chap. XIX) Pt study of the Wild Plants of the Phonological observations, teris, Aspidium, Asplenium, Onoclea, Osmunda.
Physics _(3 Q.). As in Primer or equivalent (winter months).
. Text to $^{\text {be }}$ used only as an aid to the study of the subject.

## GRADE X.

(English and any other five subjects imperative).

## 1. English:-

(a) Same subjects as in previous grade, but more advanced scholarship required. Composition as in Sykes, or all equivalent in the hands of the teacher, with special atteri tion to the development of readiness and accuracy in writ ten narrative, description, exposition and general cor respondence. For outside reading and theme writing Conan Doyle's "Micah Clark."
(b) As in Grammar:--Text book complete.
2. Latin:-As in Collar and Daniell's First Latin Bod complete, and "Cosar's Invasion of Britain," by Welch and Duffield
3. Greek:-As in White's First Greek Book, lessons I ${ }^{\text {to }}$ end of XLV.

Or French:-Bertenshaw's Grammar, Part II, and Sol' vestre's "Le Serf." exercises, with Buchheim's Modern German Reader, Part I., division only.
4. History:--Review of British History as in "Outlines" or Calkin's; and oral lessons by teacher based on Bour 1 not "How Canada is Governed" (three questions).
5. Chemistry:-Inorganic, as in Waddell or Willia ${ }^{\text {s. }}$
6. Arithmetic:--Text book complete.
7. Algebra:-As in Hall \& Knight's Elementary to end of Chapter XXVII.

Stevens' Euclid, Book I, with ${ }^{\text {all }}$ included exercises to the end of Preposition 48.

## GRADE XI.

## [Junior Leaving Examination.]

(English and any other five subjects imperative.)

1. English:-Shakespeare's Merchant of Venice, Macaulay ${ }^{1 / 5}$ Warren Hastings. History of English literature as in Meiklel For outside reading and theme writing: Lorna Doone.
2. Latin:--Grammar and easy composition partly based on prose author read.
(a) Coesar's De Bell. Gall., Book I, and (b) Vergil's Eneid, Book I, with grammatical and critical questions.
3. Greek:-Grammar and easy composition based partly on author read and White's First Greek Book completed. XenoPhon's Anabasis, Book I, with grammatical and critical questions.
or French:-Berthon's Specimens of Modern French Prose ${ }^{0}$ mitting IV, VI and X , and $A$ Travers le Canada (Quatricme livre de Lecture -Nelson $\mathcal{F}$ Son, or Mackinlay.)

Fraser and Squair's Grammar, sections 227 to 344, with the of $B_{\text {p }}$. plete. ${ }^{\text {ertenshaw's Grammar, parts I and II, with exercises com- }}$
heim's German:-As in Joynes-Meissner to lesson 44, with Buch$G_{r a d}$ Modern German Reader, Part I, complete. Review of X German.
4. History:-General History, as in Swinton.
5. Physics:-As in Gage's Introduction to Physical Science.

Mather Practical Mathematics:-As in Murray's Practical solids inatics, except Chapter XI. Mensuration of surfaces and to be studied also as in Eaton or an equivalent.
to 7. Algebra:-As in Hall \& Knight's Elementary Algebra of Chapter XL, except Chapter XXIX to end of XXIXd.

IV, ${ }^{8 .}$ Geometry:--Hall \& Stevens' Euclid, Books II, III and italicith all included exercises and the "theorems and examples". ized following each Book from I to IV.

## GRADE XII.

## [Senior Leaving Examination.]

jects ( ${ }^{\text {inne }}$ papers out of the fifteen on the following twelve subPerative Constitute a full course. The following subjects are imOne scient-English, two foreign languages, one mathematical and Greek ientific subject, except that those who take both Latin and $k$ may omit the scientific subject).

1. English ('Two Papers) : (a) Lounsbury's English Law guage. History of English Literature as in Gwynn's Masters of English Literature (published by Macmillan Company, Toronto).
(b) Shakespeare's Julius Coesar and Hamlet; Milton's Para' dise Lost, Books I and II; Chaucer's Canterbury Tales, The Prologue, The Knight's Tale and Nonne Preste's Tall, (Skeat $2 \mid 6$ edition); with the following books for outside reading and theme writing:-Pope's Rape of the Lock Ruskin's Sesame and Lilies, Thackeray's Henry Esmond.
2. Latin (Two Papers): (a) Bennett's Latin Grammar or equivalent; Bradley's Arnold's Latin Prose Composititu to end of exercise XVIII; Sight Translation.
(b) Cicero's Pro Lege Manilia and De Amicitia; Vergil's Eneid, Books II and III.
3. Greek (Two Papers) : (a) A thorough review of White's "First Greek Book," Sight Translation; Easy Composition partly based on the prose author read.
(b) Xenophon's Anabasis, Books II, III and IV; Homer Iliad, Book I.
4. French:-Molière's L'Avare; Mérimée's Colomba; ${ }^{B e r^{r}}$ thon's Specimens of Modern French Verse, Part I, with questiont upon grammar and composition as in Fraser and Squair's Gramman sections 345 to 461 , with the Composition exercises from page $3^{71}$ to page 394 .
5. German:-Buchheim's Modern German Reader, Part ${ }^{\text {II }}$ Grammar and Composition as in Joynes-Meissner.
6. Algebra-Hall and Knight's Higher Algebra, Chapter ${ }^{\text {s }}$ 1-23 inclusive, chapter 32 to section 461, chapter 35 , cubics and biquadratics and (*) paragraphs throughout scribed work.
7. Geometry:-As in Hall and Stevens, Books $V$ and II' $^{\prime}$ and Solid geometry; Analytical geometry, as in Wentwor chapters, 1, 2 and 3 .
8. Trigonometry:- Plane and Spherical as in Murray ${ }^{\text {s. }}$

9 Physics:-As in Goodspeed's Gage's Principles of Physics.
10. Botany:-As in Bergen and Davis' Principles of Botam).

Colleges." Chemistry:-As in Smith's "General Chemistry for Parts I. History:-Myers' Ancient History (revised edition),

## (SCHEDULE B.)

PRESCRIBED FORM FOR PROVINCLAL, HIGH SCHOOL EXAMINATION.

|  |
| :---: |

May, 190
I, given belo do hereby certify that the candidates whose names are my k blow from No. 1 to No . . . . . . . . inclusive, will, to the best of tion, the nedge, have completed, before the date of next examina$G_{\text {tade }}$ the Prescribed Course of Study up to and including the to my for which each hereby applies; and furthermore, according date my judgment, both the reading and writing* of each candition in up to the standard desirable to be maintained for promo the High Schools of the Province.
${ }^{I}{ }^{I}$ allso forward herewith on behalf of these candidates.
of $\mathrm{Re}_{\mathrm{g}}$ being the amount of fees required under sub-section (b) dents," as ation 8.5, "Provincial Examination of High School Stuas specified in the list below.
\$2.00, ${ }^{C_{\text {andidates }} \text { intending to take the M. P. Q. Examination (fee }}$ bicated bayable to the Deputy Examiner at Examination) are in${ }^{\text {el }} \mathrm{m}$. by the letters M. P. Q., in the column headed "remarks"

Signed

> Principal. . . . . . . . . . . . . . School.

[^6]
## SYLLABUS <br> OF

THE UNIVERSITY POST-GRADUATE EXAMINATION.
110. (b). The testing provincial post-graduate examination shall be upon two series of papers-the higher of Universit "graduation distinction" standard, the lower of University "grad" uation pass" standard. The post-graduate examination "pass" shall require:-

1. A provincial pass $(50 \%)$ in at least one subject of the higher standard.
2. A provincial pass in five other subjects of the Lorer standard.
3. Certificates of the following University courses tatice and passed by candidates shall be imperative and nulut ${ }^{\text {te }}$ taken later than the first year of the University ${ }^{0}$ dithe namely:-Logic and Psychology, and any two of Scient following: Ethics, Political Economy, Sociological Scien Modern Philosophy, History.
4. SYIIABUS OF THE HIGHER STANDARD.
[Two papers, three hours long, on each subject.]

## I. Einglish.

(A) History of the English Language as in Lounsburl "English Language" or "Emerson's History of the English Laए guage."
(B) History of Nineteenth Century English Literature, ${ }^{a^{9}}$ in Herford's "The Age of Wordsworth" (1798-1832), and Walker" "The Age of Tennyson." (1830-1870).
(C) A thorough knowledge of the following works:- poe den's "Selections from Wordsworth," Browning's Shorter Prave by Baker, Tennyson's Shorter Poems by Nutter, Palgra ${ }^{\text {th }}$ Golden Treasury of Songs and Lyrics (Book IV), Panco ${ }^{(1)}$ "Standard English Prose" (the selections from Lamb to Stevent
(D) Ten Brink's History of Early English Literature (Vol. I).
(E) Bright's Anglo-Saxon Reader (the introduction Parts I, II, and IV).
ix to (F) Morris' Specimens of Early English Part I (Extracts 0 xviii inclusive)
[N. B. All candidates are expected to have a thorough
knowledge of the principles of Composition. To ensure the posofssion of this knowledge and of the ability to make practical use of it, the this knowledge and of the ability to make practical use
will form Will form an important part of this examination.]

> II. and III.-Foreign Languages.
(includinglation at sight, from any ordinary authors, with Grammar $\mathrm{tim}_{\text {mal }}$, Prosody), Composition, and a fair knowledge of the na${ }^{l} \mathrm{lang}_{\mathrm{al}}$, social, institutional and literary history of the people whose Latin ${ }^{\text {L }}$ dealt with, in any two of the following languages:Greek, French, German.
[Extracts will be set from at least three prose and three Doetical authors in each language. In French and German the canmore ${ }^{\text {mability }}$ abilite use the spoken language may be tested by one or questions requiring viva voce examination.]

## IV.-Mathematics.

Algebra, Geometry and Trigonometry as in Grade XII general (B) Plane and Solid Analytical Geometry, including the Calculus, equation of the second degree. Differential and Integra , as in Murray's Infinitesimal Calculus.

## V.--Sciences.

Any one of the following:

## Physics.

$\mathrm{P}_{\mathrm{hy}_{\text {Sics }}}$ (A) A knowledge of General Physics, as in "A lextbook of by Watson (unstarred sections), or any equivalent.
${ }^{\text {ex }}$ (Be
(B) The presentation of note-books describing the laboratory
the work
Ver woll work of the candidate, duly certified by the Instructor, mersity to consist of at least 50 experiments of recognized UniHoters in Pha (e., g. as in Ames and Bliss' "Manual of Experibote in Physics,"). In cases where the candidate cannot present
a prass satisfactory to the examiner, the test may be made laboratory examination.
${ }^{\text {results }}$ (C) Elementary Mathematical Physics. A knowledge of the
to physical problems; such as might be obtained during a courf of lectures of two or three hours per week running through tro years. The grade of work such as is given in Preston's "Theon? of Heat," Preston's "Theory of Light," and J. J. Thomp ${ }^{5015}$ "Elements of Electricity and Magnetism," or their equivalen ${ }^{\text {ts. }}$.

## Chemistry.

(A) Inorganic Chemistry as in Smith's "General Inor gapil Chemistry," or an equivalent, with laboratory work in Genfer Chemistry, which should include the preparation of some $\mathrm{tyP}^{\mathrm{ty}} \mathrm{e}^{\mathrm{s}}$ gases, acids, and salts, and at least five or six quantitative try periments in illustration of the fundamental laws of Chen ins the The laboratory work may be partially tested by requiring pelf candidate to produce a properly certified record of his exper mental work.
(B) Organic Chemistry as in Remsen's "Compound ${ }^{\text {d }}$ of Carbon" or an equivalent, to be accompanied by laboratory whol which should include the preparation of at least 20 typical ${ }^{\text {car }} \mathrm{q}^{44^{45}}$ compounds. The laboratory work may be tested partly by the tions in the papers on Chemistry, and partly by requiring eall candidate to produce specimens of his preparations prop certified to be his own work.
(C) Analytical and Physical Chemistry, including:-

1. Qualitative Analysis of the Common acids and bas ${ }^{\text {as }}$ Candidates may be tested by a practical laboratory ination and by questions in the Chemistry papers.
2. Ouantitative Analysis. The estimation of the follow ing elements in their common compounds:-Chlorine ${ }^{\text {d }}$, phur, Phosphorus, Carbon (in carbonates), Silicon, Copper, Calcium, Magnesium, Lead, Iron; Carbor th Hydrogen in organic compounds. Candidates $m^{a y}$ by tested by a practical exercise in the laboratory $a^{n^{d}}$ question in the Chemistry papers.
3. Physical Chemistry, as in Talbot and Blanchard's trolysical Chemistry, as in Talbot and Blanchards "tild tion to Physical Chemistry."
(D) Outlines of History of Chemistry, as in Tilden's" History of Scientific Chemistry," Thorpe's "Essays in Histor ${ }^{2}$ Chemistry" and "Justin von Liebig" and "John Dalton" in Century Science Series.

## Brology.

Field (A) Botany as in Principles of Botany and Laboratory and the Manual by Bergen and Davis. A practical knowledge of ${ }^{\text {accustem }}$ of classification and the use of manuals, as Gray's. An dophaintance with (a) the common Spermatophytes and Pteriand The Thallophytes representing the more common classes or orders. hundred exhibition of, and examination upon, a collection of one candidate species correctly determined and well mounted by the ${ }^{c o p i c}$ slide under (a), and of another hundred (counting mierosslides) also mounted and determined under (b).
Colton, (B) Zoollogy as in Zö̈logy Descriptive and Practical by the Britind Hand-Book of Instructions for Collectors issued by of British Museum (Natural History). A practical knowledge An system of classification and the use of manuals, as Jordan's. $N_{0}$ acquaintance with (a) the more common vertebrate fauna of
or a Soita ${ }^{\text {or or arders }}$ Ocotia, and (b) typical species of the more common classes fifty ${ }^{\text {orders }}$ of the native invertebrates. The exhibition of at least ${ }^{c} \mathrm{copij}^{\text {spechmens }}$ specimer (a), and at least fifty microscopic or macros$\mathrm{m}_{\text {mic }}$ specimens under ( $b$ ), all correctly determined and neatly or prepared.
$\mathrm{R}_{\text {em }}$ (C) Outline History of Biology, as in "Science of Life" by
Relatioson, or on History of Biology, as in "Science of Life" by
to Couivalent, with latest theories. Bacteria in
Country Life, by Lipman. Iy The candidate must show his ability to dissect macroscopicalan and microscopically, to make microscopic sections, and have ${ }^{\text {Braph}}$ uphtary knowledge of microscopic technique. A monong be pon, or a special study of, any biological group or species,
in collectiopted according to its merits as supplementing defects the collectionsted according to its merits as supplementing defects Subject will enhance the candidate's standing.]

## Geology and Mineralogy.

$\mathrm{b}_{\text {hur }}$ As $^{\text {s in }}$ ind Introduction to Geology by Scott, Physiography by Salis-
A lab Mind Mineralogy, as in Minerals and How they Occur, by Miller, ince, ratory knowledge of the rocks and minerals of the prorace of the knowledge of the results of forces changing the the earth.
5. SYLLABUS OF THL LOWER STANDARD.
by TOne paper three hours long on each subject, supplemented
optiviva vope examination and practical demonstration at the
vin of the examiner].

## I.-English.

As in (A), (B) and (C) of the Higher Standard.
[All candidates are expected to have a thorough knowled dy of the principles of Composition. To ensure the possession this knowledge and of the ability to make practical use of it writing of an Essay on some one of several given subjects will ${ }^{\text {fo }}$ an important part of the examination.]
II. and III.--Foreign Languages.

As in the higher standard but with easier questions. French and German the candidate's ability in the spoken $\operatorname{lan} \operatorname{mgn}^{480}$ may be tested by one or more questions requiring viva voce $\mathrm{ex}^{\text {sill }}$ ination.
IV.--Mathematics.

As in (A) of the higher standard.
V. and VI.-Sciences.

Any two of the following:-
Physics: As in (A) of the higher standard.
Chemistry: As in (A) of the higher standard; onititind sections of the text-book in small print.

Biology: As in "First Course in Biology" by, Coleman, "Practical Botany for Beginners "Animal Life" by Jordan and Kellog, and a of the use of manuals in the classification of the wap common species of the Nova Scotia Flora and $F$ in Gray and Jordan respectively or equivalents.
[For the foreign species worked out in the Practical
 in the same way, practically. The same principle in zoölogical practical studies.]
 Miller's "Minerals and They Occur."

## 6.-Non-Graduate Candidates.

Candidates who have not graduated from a recognized UniVersity, if they have spent at least four Academic years in study
after obtained attaining the Grade XI standard of scholarship, and have post grad a pass on Grade XII and a pass on the testing provincial ${ }^{\text {post }}$ on graduate examination, may be admitted to a special examinato on the remaining subjects of a full University course, in order under the the standing of a graduate of a recognized University such those regulations. But the cost, syllabus and time of any examination have not at present been determined.

## 7.-General Rules of Examination.

$\operatorname{detail}_{\text {a }}^{(a)}$ in Options will be given when questions deal with minute the ${ }^{\text {a }}$ in subjects of wide range, in the sciences especially, with
texts ject of equalizing the effects of different instructors, and
and are mention and inten mentioned merely to indicate the comprehensiveness niveness of the study required.
${ }^{\text {bel }}{ }^{(b)}$ (b) An average of fifty per cent. on all subjects, with none eandidate on the lower series, is required for a pass, provided the also passes in the practical and viva voce examination. may (c) If a candidate fails in not more than two subjects, he ${ }^{a}{ }^{2}$ alss $^{\text {talk }}$ On supplementary on the subjects failed in, but will make only when no subject is below fifty per cent.
Cial Exame examination will be held in Truro during Provin${ }^{10}$ the Eramination week and the week following, in proximity ovincial Normal and Agricultural College, for the conof laboratory demonstration and viva voce examination. ulation nersity course, and (3) of graduation as recognized in on 110 (a) 2, preceding.
forny (h) The fee for examination, which must accompany the application, shall be ten dollars; but for a candidate who Provincial Grade XII, and fcr a supplementary he ination Provincial it shall be five dollars. The fee will be returned if candidate is shall be five dollars. The fee will be returned if

## Publishers of Texts Mentioned.

Emerson's "History of the English Language". . . . . . . . . (Macmillan). Herford's "'The Age of Wordsworth" . . . . . . . . . . . . . . . . . . (Bell \& Sons). Walker's "The Age of Tennyson"
Dowden's "Selections from Wordsworth".... . . . . . . . . . (Ginn \& Co).
Baker's Browning's Shorter Poems
Nutter's Tennyson's Shorter Poems
Palgrave's Golden Treasury
Pancoast's "Standard English Prose;".................... (Macmillan).

Bright's Anglo Saxon Reader. . .......................... (Holt \& Co.).
Morris's Specimens of Early English, Part I. . . . . . . . . . . . . (Clarendon 1 ( (hongnans).
Murray's Infinitesimal Calculus . . . . . . . . . . . . . . . . .
Murray's Infinitesimal Calculus
(Longmans)
Wat son's Text Bcok of Physics (Longmans).
Preston's "Theory of Heat (Macmillan).
Preston's "Theory of Light (Macmillain).
J. J. Thompson's "Elements of the Mathematical Theory of Electricity and Magnetism'. ................ (Cam. U. Pres ${ }^{\text {s. }}$ ) (Century co.).
Smith's "Gencral Chemistry"
Smith's "General Inorganic Chemistry"
Remsen's "Compounds of Carbon
Talbot and Blanchard's "Electrolytic Dissociation'............... (Macmillatl). Walker's "Introduction to Pinssical Chemistry" . . . . . . (Macmillan).
Tilden's "short History of the Progress of Scientific Chemistry"
Thorpe's "Essays in Historical Chemistry", ............ (Macmillan).
Shenstone's "Justin von Liebig" in Century Science Series (Macmillar).
Sir H. E. Roscoe's "John Dalton" in Century Science
Bergen and Davis, Botany and Laboratory Manual ..... (Ginn \& $\mathrm{Co}^{\mathrm{Co}} \mathrm{C}$ )
Gray's Manual of Botany (Seventh Edition) .............(Am. Book ${ }^{\text {Co }}$ ) Jordan's "Manual of Vertebrates"
"Bacteria in Relation to Country Life" by Lipman . . . . . (Macmillarn). (col
Colton's "Zoülogy Descriptive and Practical" . . . . . . . . . . (D. C. Heat
Bailey and Coleman's Biology,
(Macmillan).
Thompson's "Science of Life",
(Blackie \& ${ }^{\text {col }}{ }^{1 / 2}$
Jordan \& Kellog's "Animal Life",

Hand Book of Instructions for Collectors
Scott's "Introduction to Geology" . . . . . . . . . . . . . . . . . . . (Macmillan). ${ }_{\&}{ }^{(0)}$ ).
Salisbury's "Physiography".
Miller's "Minerals and How Thev Occur", (Toronto).

## The more important educational legislation OF 1909.

An Act to amend Chapter 52, Revised Statutes, 1900), "The Education Act."
follows:- it enacted by the Governor, Council, and Assembly, as
by I. Chapter 52 of the Revised Statutes, 1900, is amended adding thereto, after section 55 , the following section:
${ }_{\text {of }}{ }^{(5)}$ charge, Every public school building shall be available, free for marge, for the purposes of local Technical Schools and schools buildingers and engineers, provided that such use of public school the provishall not interfere with the carrying on of schools under Provisions of the act hereby amended.
substituted Section 59 of said chapter is repealed and the following uted therefor,$\mathrm{Ma}_{\text {ajesty }}^{59}$. The secretary of trustees shall give a bond to His in a suft with two sureties, subject to the approval of the inspector, office, and suient sum for the faithful performance of his duties of the at any and such bond shall be lodged with the inspector, who may place time require a new bond, or a bond in a larger stum in the the fifth the bond as lodged. Such bond may be in the form in by the schedule or to the like effect, and unless sooner terminated necessary sureties, or either of them, according to law it shall not be refusary to give any new bond annually or otherwise, unless office. by the inspector so long as the secretary is re-elected to

## FIFTH SCHEDULE.

$\mathrm{P}_{\text {rovince of }}$ Nova Scotia.

we bind ourselves, and each of us by himself, for the whole and every part thereof, and the heirs, executors and administrator ${ }^{5}$ of us and each of us, firmly by these presents, sealed with our seal in and dated this day of
the year of our Lord, one thousand nine hundred and.
Whereas the said .............has been duly appointed ${ }^{\text {to }}$ be secretary to the board of trustees for section No............ in the district of

Now the condition of this obligation is such, that if the sail (name of secretary) do and shall, from time to time, and at ad times hereafter, during his continuance in the said office, well faithfully perform all such acts and duties as do or may hereatel appertain to the said office by virtue of any law of this Provint and shall in all respects conform to and observe all such rule orders and regulations as now are or may be from time to time established for or in respect of the said office; and if on ceasid to hold the said office, he shall forthwith, on demand, hand ${ }^{0}$ in to the trustees of the said school section or to his successor office, on the order of the trustees, all books, papers, mol accounts and other property in his possession by virtue of hise to office of secretary, then said obligation to be void, otherwise be and remain in full force and virtue.
(Name of Secretary)
(Names of Sureties)

Signed, Sealed and delivered in the presence of (Name of Witness.)
3. Section 91 of the said Act is amended by adding thertit the words, "and shall on request file a copy thereof with inspector.'
4. Subsection (2) of section 16 of Chapter 52 of the Statutes, 1900, "The Education Act" as substituted by 8 of the Acts of 1906 , is amended by striking out the word "atel" ation" in the second line of said subsection.
5. Every male person between the ages of twenty-one in $140^{20}$ sixty resident within the school section of Marble Mountain county of Inverness between the first day of April and the $\mathrm{thifit}^{\mathrm{iti}}$ first day of December, in any year, and who has not paid not liable for a poll tax in such year in any other school sectio in the Province, shall pay each year, when so resident, a poll of two dollars for the support of the schools of said section.
$A_{n}$ Act to Amend Chapter 52, Revised Statutes, 1900, "The Education Act," and Acts in amendment thereof.
Be it enacted by the Governor, Council, and Assembly, as
tollows:
Acts in Section 99 of Chapter 52, Revised Statutes, 1900, and all
 ng substituted therefor:-
of july, (1) In any school section in which up to the first day $V_{\text {ision }}$ for the ratepayers neglect or refuse to make adequate proequipment the maintenance of a school (including the necessary porary schend repairs to a school house or the provision of a temof the school room) during the following school year, the trustees deethe school section shall name the sum of money which they an inadficient therefor, or which may be necessary to supplement shall be quate sum already voted by the ratepayers, and such sum or to the submitted to the district Board of School Commissioners thirteen the committee of the said board appointed under section If the said "The Education Act," and be subject to their approval. Orders said board or committee thereof approves the said sum and ${ }^{\text {and }}$ d it to be collected, the said trustees shall promptly levy $v_{0}$ codlect the sum so approved in the same manner as if it had been the for school purposes at a regular school meeting called for purpose.
the board the trustees of any section neglect or refuse to apply to of the ford of commissioners or its committee under the authority School foregoing clause, or if they neglect or refuse to provide a of to the first day of July no annual meeting of the section has A said b, or if no trustees have been elected; it shall be the duty Alyust as ard or its said committee, as soon after the first day of inters in convenient, when notified by the inspector of the conof terested in such school section, to appoint one or more persons the ${ }^{\text {tristedes }}$ in maintaining a school in said section as a new board ${ }^{t} \mathrm{t}_{\text {liste }}$ thistee or the remainder of the then current school year, and the listes elected or trustees so appointed shall have all the powers of she trusteested by the ratepayers; and the duties and powers of ended during any, elected by the ratepayers shall thereby be during said period.
Tame the The said trustee or trustees so appointed shall forthwith
of the schm of money which is deemed sufficient for the support
beenool for the remainder of the year (if sufficient has not
con already voted) and submit their estimate to the board or its
ll for its approval, and if approved, and ordered to be
collected by the said board or its committee, the said sum ${ }^{50}$ approved shall be collected by the said new trustee or truster in the same manner as if it had been voted for school purposer at a regular school meeting.

Provided, however, that if the district board or its commintel is unable to secure a suitable trustee or trustees they shall notify the inspector of that fact, in which case the inspector shall har all the powers of trustees for the said period as provided in oe? section, and shall forthwith estimate and name the sum of 10 the which he deems sufficient for the maintenance of the school for remainder of the year, and shall submit his estimate to the sail board or its committee for its approval as above provided ${ }^{(0)}$ which approval, if given, shall be communicated to the inspect ${ }^{0 / 5}$ by the said board or its committee in writing.
(4) The inspector shall certify the said sum to the municip it clerk who shall levy the said sum so fixed on the section in same manner as if voted for school purposes at a regular sch meeting called for the purpose, and shall prepare a collector's ${ }^{\text {a }}$ to for the collection of the same. The regular municipal collect the shall collect such rates and taxes in the same manner and with ${ }^{\text {sed }}$ of same remedies and for the same remuneration as in the $\mathrm{camid}^{\mathrm{ich}^{28}}$ other rates and taxes and shall return the same to the $\mathfrak{n u n}^{1 \mathrm{l}} \mathrm{l}$ treasurer.
(5) The amount so collected shall be paid on the order of ${ }^{\text {df }}$ the inspector to meet the necessary expenses for the support the school in the said section.
(6) Nothing in this section shall be construed to celie ter trustees from the penalty imposed by section 39 of this chap

## AMENDMENTS OF REGULATIONS OF THE C. P. I. APRIL, 1909.

Resolved, that the following be substituted for Regulation ${ }^{2}$
25. The Secretary of the school trustees shall notify Inspector in writing as soon as any teacher is engaged, stating ${ }^{\text {thed }}$. name and class of license of the teacher, and the salary promit ${ }^{\text {ne }}$ If any such engagement is broken without mutual agreement, $t^{0}$ Inspector as soon as informed thereof, shall report the teacher the Council of Public Instruction as presumably liable to sulis sion of license.

Resolved, that the following be substituted for Regulation ${ }^{21}$
27. Every teacher, assistant or substitute as soon as engaged
to teach in any teacher, assistant or substitute as soon as engaged engass of license held, with its year and number, the period of the gement, the address of the Secretary of School Trustees, and name of the school section where last engaged.
and This intimation shall be kept on file in the Inspector's office; render delay on the part of the teacher in giving such notice shall
date of him or her liable to the loss of provincial grants up to the of proper notification.
as a ${ }^{\text {A }}$ teacher intending to compete for (1) superior classification tural ${ }^{\text {Class " } A \text { " teacher, or (2) classification as a Rural (Agricul. }}$ Inspect Science teacher, or (3) a school library grant, or (4) an sideration's Certificate for promotion, or (5) any other special con${ }^{\text {tion }}$, ${ }^{\text {tion }}$ provided for in the school laws, shall give due informalater thereof to the Inspector in writing as early as possible, but not than the last day of September.
"Schegulation 34 (a) is amended by inserting after the word "Manual in the second line of the Regulation as it appears in the if also of School Law, Nova Scotia, 1901," page 65, the clause principal of all the schools of the Section."
as Regulation 36 and all its amendments are further amended pages 124 of this Journal of Education, April, 1909. $R_{\text {solved: }}$
Truro, That on the recommendation of the Normal College at ${ }^{\text {Diplom}}$, the Council of Public Instruction may award Kindergarten rave tespen First and Second Ranks to approved candidates who ${ }^{\text {Class }}$ Tespectively the scholarship qualifications of First and Second Nourse in eachers, and who have successfully taken a full year's $\mathrm{N}_{4} \mathrm{Nm}_{\text {al }}$ in the Truro Kindergarten affiliated with the Provincial ${ }^{\text {Superintentege; and that such Diplomas shall be taken by the }}$ $\mathrm{A}_{\text {id }}^{2 r_{s t}}$ and andent of Education as the equivalents respectively of ad to the econd Class Licenses in the distribution of the Provincial teachers holding them.
Fducat That on the recommendation of the Superintendent of and the Principal of the Provincial Normal College, hed teachers from any part of the British Empire may a provisional license for one year, of a class as high arship and professional training of the candidate may he Nove advance of the candidate's qualifications accordthe license may be continued for a subsequent year.
3. That should arrangements be made for the exchange teachers for one year from any portion of the Empire or France or Germany, the council may on the recommendation the superintendent and principal of the Normal College, awte, a provisional license of the same class to the foreign substitule
4. No appeal from the examination of a candidate's ans $\mathrm{Strl}^{4}$ paper at the Provincial High School examination shall be dite tained by the superintendent unless it is accompanied by a fee fifty cents to cover the minimum expense, and not even then a responsible person vouches for the good standing of the pellant.

BOOKS RECOMMENDED TO TEACHERS AND FOR SCHOOL LIBRARIES.
Stories and Legends-A First Greek Reader (MacMillar and Co., pp. 217, price 80 cents). For Supplementary readidg sight translation.

Hardy's Latin Reader--(MacMillan and Co., pp. 195 , pion 65 cents). For supplementary reading and sight translation $\mathrm{m}^{\text {dit }}$

Handbook of Canadian Literature - B. Archibald Mac ${ }^{\text {N }}$ Cloth, 236 pages, $\$ 1.00$.

THE MORAL EDUCATION LEAGUE, FOUNDED ${ }^{189^{7}}$ cin $^{40}$ Object:--To urge the introduction of systematic Moral and forman Instruction into all schools, and to make the forman ${ }^{\text {and }}$ character the chief aim in education. Moral Ine Destruction in Elementary Schools in England and wid A Return compiled from Official Documents. 64 pp . 1s. net, by post 1 s . $1 \frac{1}{2} \mathrm{~d}$.

Lesson Books.
The Garden of Childhood. Stories for Little Folk at Hodity at School. By Alice M. Chesterton. With illustrants of Gertrude M. Bradley. Based upon the section for Infarlisin. League's Graduated Syllabus for Elementary Schools. 6 d . net, by post 1 s .9 d . Second edition.

The Magic Garden. Stories for Children at Home and School. With Illustrations. Based upon Standard III. League's Syllabus. Nelson. 1s. 6d. net, by post 1s. 9d.

A Teacher's Handbook of Moral Lessons. By A. J. H. J. grave. Based upon Standard V. of the League's Syllabus. 1 s .6 d. net, by post 1s. 9 d . Fourth edition.

Further Books (Standards I., II., V., VI., and VII Messrs. ctive preparation.) To be shortly published by Messrs.
of A Manual of Moral Instruction. Covering all the Sections. Reld Syllabus, according to the concentric plan. By James Life A. Nelson. 2s. fid. net., by post 1s. 9d.
$\mathrm{I}_{\text {nstruct }}$ Lifd Manners: A volume of Stories suitable for the Moral Aim and of Children of $10-14$ years. With an Introduction on 6d. and Methods. By F. J. Goutd. Swan Sonnenschein. 2s.
net, by post 2 s . 10 d .
The Moral Education League Quarterly.
Post ${ }^{A}$, Quarterly Record of the work of the League. 1d., by

## Pampheets and Leafiets.

The Constitution of the Moral Education League.
Antiual Reports (1897-1908).
By T. Te Moral Instruction of Children in Classes. A Pamphlet. A. Gould. 1d., by post $1 \frac{13}{2} \mathrm{~d}$.

Ele A Graduated Syllabus of Moral and Civic Instruction for A
Seco A Graduated Syllabus of Moral and Civic Instruction for ndary Schools. 2 d . by post $2 \frac{1}{2} \mathrm{~d}$.
Moral Instruction: What it is not and what it is.
scho Moral Instruction: A few words addressed to elementary ool teachers.
The Moral Education League.
A Specimen Education League.
Important Announcements on Moral Education.
A Village School.
${ }^{t_{0}}{ }_{y}$ Copies of this Leaflet and of other Publications will be sent free $\mathrm{Mor}^{y_{0}}$ and do your friends on the receipt of a post-card by the Secretary,


Recene Gulick Hygiene Series by Luther Halsay Gulick, M. D.,
New Yonty Director of Physical Training in the Public Schools of Boork, (Ginn and Company.).
${ }^{40}{ }^{\text {B }}$ Book I I, Good Health, 12 mo., cloth, 172 pages, illustrated, 50 Book price.
${ }^{50}$ Cents III, Town and City, 12 mo., cloth, 272 pages, illustrated, $\mathrm{B}_{\mathrm{ook}}$, , ist price.
illust Book VV, The Body, (In press).
Strated V, Control of Body and Mind, 12 mo., cloth, 267 pages, $G_{r} S_{\text {teed }}^{\text {eed }}$, list price (?).
 $\mathrm{MeD}_{\text {ou }}^{A}$ MacMillan, L. I. A., $6 \times 8{ }^{\frac{1}{2}} \mathrm{in}$, 94 pp . Price $2 / 0$ net. Weball's Educational Co., London.).
Spellings. ${ }^{\text {ebster's }}$ International Dictionary, with list of simplified

given as of equal authority with Webster's preference, and 45 are given as the sterian second choice. Of the 75 words not in the vocabulary of the Internat practically all are found in the list of Amended Spellings in the preliminary pa pdded the dictionary. As fast as they are sanctioned by good usage they will be A. to the vocabulary proper.) G. \& C. Merriam Co., Springfield, Mass., U. S. A.

Oral Lesson Book on Hygiene covering instruction in primary Grades (published by the Bureau of Scientific Invest ${ }^{\text {ip }}$ gation), Boston.

In "Humane" fiction the following books by a Nova Scotian authoress should be known,

Beautiful Joe: A Real Dog.
Beautiful Joe's Paradise.
Nita: The story of an Irish Setter.
Alpatok: The story of an Esquimaux Dog.
My Pets: Short interesting Auimal Stories.
by Marshall Saunders (L. C. Page, Boston.).

## Humane Education.

The Nova Scotia Society for the Prevention of Cruelty offers pird to of $\$ 20.00$ for the first prize, $\$ 10.00$ for the second, $\$ 5.00$ for the thit worl the teachers in public schools who send in the best reports of the ${ }^{\text {w5 }}$ to done by Bands of Mercy in their respective schools. Full instruction ${ }^{\text {a }}$, be the formation of Bands of Mercy and the necessary documents $\mathrm{ma}^{\mathrm{my}}$ od secured by writing to the Massachusetts Society for the Prevention Cruelty, i9 Milk Street, Boston, Mass.

The conditions under which the prizes are awarded may be learned on writing Miss Marshall Saunders, Spring Garden Road, Halifax, ${ }^{\text {. }}$

## The Sir Frederick W. Borden Scholarship.

The following is the decision of the committee appointed to regulate the award of the yearly scholarship of seventy-five do gir conferred upon the Canning school, Kings County, by Hor. Frederick W. Borden:-

1. The scholarship shall be open to students resident in iol Kings County who have spent the last year before matricula ${ }^{10^{d}}$ at the Canning public school.
II. It shall be awarded to the student as above describe b.r matriculating at any Nova Scotia college or at Mt. Allison, Ning whose standing is highest at the Nova Scotia provincial exar peer tion in Grade XI. The payment of the scholarship, ho we def shall be conditional on actual attendance at one of the colle the named for a full year, unless in the opinion of the truste ${ }^{\text {b }}$ be student was unable to complete the year. If the winner is un $^{\text {a }}$ yif to meet the conditions regarding attending college, the scholates ${ }^{25}$ shall pass to the next competitor, in order, who matriculate ${ }^{5}$ above, meeting all conditions.
III. After the first award of this scholarship, if no pupil Shall Win it for the next or any year, the scholarship shall be award${ }^{\text {ed }}$ to the senior winner who is pursuing a college course at one of the colleges named.

Nevertheless, if during any year or years there should be no Claimant from the Canning school, under the above regulations, examty whose standing is highest at the Nova Scotia provincial nations, in Grade XI, meeting all conditions.
IV. The trustee of this scholarship shall be the school inspector. The trustee of this scholarship shall be
W. Bor The name of this scholarship shall be "The Sir Frederick orden Scholarship."

SUMMER SCHOOL OF SCIENCE FOR ATLANTIC PROVINCES OF CANADA.
July The session for 1909, will be held at Charlottetown, P. E. I., $\mathrm{D}_{\text {rawin }}$ 13th to 30th. The course consists of Botany, Chemistry, Physing, Geology, Literature, Manual Training, Music, Oratory, The ical Culture, Physics, Physiology, Zoology, and Military Drill. of thest instructors of the Maritime Provinces are on the faculty e school.
holj Teachers of Nova Scotia are allowed one week's additional for the who attend the school. To teachers who wish to qualify ${ }^{\text {special }}$ certificate for drill and physical culture there will be given ${ }^{\text {takecial }}$ opportunities to do so. They will have the opportunity to do so. $\mathrm{fr}_{\mathrm{m}}$ three to four hours a day instruction if they desire to

Scholarships of the value of $\$ 20.00$ are offered for competition. ple The cool bracing climate of Prince Edward Island makes it a sionsant place for a teacher to spend a holiday. Pleasant excurthe secret planned. Additional information can be obtained from Tary, Mr. J. D. Seaman, Charlottetown, P. E. I.

Meets in The Dominion Educational Association.
July in its Seventh Convention at Victoria, British Columbia, 14th, 15 th and 16th, 1909.

The National Educational Association
$D_{\text {the }}$ U. S. A., meets in its forty-seventh Annual Convention, at Colorado, July 3rd to 9 th, 1909.

## LORD ROBERTS' TROPHY. <br> For Rifle Shooting By School, Cadets.

To be competed for annually by representative team m $^{\text {d }}$ schoolboys of the empire, not over 16 years of age, on the 1st july in the year of the match. For regulations, etc., write the Secretary, R. J. E. Hanson, M. A., R. N. V. R., Schoolboys' Head quarters.

## Bisley, <br> Surrey, England.

## THE CANADIAN RIFLE LEAGUE COMPETITION.

The regulations will be promptly supplied by the Secretar)' Frank Beard, Ottawa.

## A NELSON VICTORY SHIELD,

 Lord Nelson, for which Lord Strathcona contributed $£ 1,000$, to enable it offered to schools as prizes, can be obtained through Mr. Edward W. Ma Secretary, Passuore Edwards Sailors' Palace, London E., England Socieh institution was originated to aid the British (Canadian) and Foreign Sailors It is mentioned here because the smallest school can obtain this beautiful b Copper shield for no more than one dollar, which will be accepted as a cont to the Society. Copper charms of "Victory" metal can be had for a quarter. phibl shield should be mounted on an appropriate base of wood upon the marg in inf ful the leader of the school each year might be engraved, the whole forming a inspiring decoration of the school room.

## Description of Shielid and Object.

Lord Strathcona is President of the Canadian Branch of ${ }^{\text {the }}$ British and Foreign Sailors' Society. His Lordship's desife te that every school in Canada, from Atlantic to Pacific, nay an opportunity of securing this Nelson Shield, which is of historic interest. He hopes that annually a paper may be writ it on a Sailor subject, which will be of educational and pattio ted value to the youth of Canada; and that the Shield will be prese ${ }^{111}$ on prize day, and held by the successful scholar for the year. the is composed of pure Nelson copper, and is a work of art. ent $^{\text {tre }}{ }^{\text {is }}$ upper corners are the oak and maple leaf. In the upper cet cent the historic ship "Victory" under full sail. In the lower 1 fab is the bust of Nelson, on one side of which is his immortal the signal, and on the other the date of the momentous day 10 with nation's history. At the bottom, upon the scroll, are the foll "Foll" words:- "Made of copper from H. M. ships "Victory" and Roq droyant." Presented by Lord Strathcona and Mount Ro fol G. C. M. G., through the British and Foreign Sailors' Society", Canadian Schools, 1907. E R VII" $\mathrm{co}^{\circ}$

The Ministers of Id ducation in the various Provinces are ${ }^{\text {c }}$ operating with the Society.

## PUPILS' SCHOOL CORRESPONDENCE.

in Teachers who wish to have their pupils linked in correspondence with pupils With parts of the Empire, can be put in the way of doing so by communicating
Mes. E. M. Ord Marshalle, Hon. Secretary "League of the Empire,"
Caxton Hall, Victoria St., Westminster, S. W.,
Loudon, England.
Ine League of the Empire is the most convenient institution through which to
into touch with other schools for general school correspondence, nature study andence, etc., as intimated in previous Journama.
of The Femerin Magazine is published monthly by the League, and makes a specialty
${ }^{3}$ apointed the ation with the schools of all parts of the Empire. The League has been
Iducation the agent of the Department of Education of Nova Scotia, in London for
In every sch purposes, where it is in touch with the Imperial Educational authorities.
the teachor, with more than one teacher, one at least should obtain this magazine reachers' reading club or library.

OTTAWA, Ont., May 4.-The Executive Council of the Strathin Trust for the encouragement of physical and military training
Public schools has decided to offer cash prizes aggregating $\$ 650$
of the hest essays upon the following subject:-"The Best Method military ucing and Developing a general system of physical and 4pon the training in the public schools throughout the Dominion tration of principle enunciated in the rules governing the adminisSix of the Strathcona Trust."
Will Six prizes of $\$ 250, \$ 150, \$ 100, \$ 75, \$ 50$ and $\$ 25$ respectively limited awarded to the writers of the best essays. Competitors are Schools. to Canadian School teachers, or pupils, in the Normal $\mathrm{M}_{\text {Lst }}$ reach. Essays may be written in either English or French and next. Reach the Department of Militia not later than August 1st, Full information in regard to the completion and to the agreeof ${ }^{2}$ ova ered into between the Militia Department and the Province on apa Scotia in respect to the training in schools will be furnished Militia Plication to the Executive Council of the Strathcona Trust, a Department, Ottawa.


OFFICIAL NOTICES.
The full number of legal teaching days in the half school year $\mathrm{ended}^{\text {dit }}$ 5 th February was 103, in the second half year ending 3oth June next is Ior days. Total teaching days for the school year is 204.
1909. Calendar, Summer, igog.
April
26. Fourth Quarter began.

May 7. Arbor Day.
May 21. Empire Day.
May 24 Victoria Day (holiday). No applications for High Scho Exams. received after this date.
June 21. Applications for admission to Military School, Halifart should be in Education Office; and for admission to Rural Science School, Truro, should be sent to Princip. Agricultural College before this date.
June 28. Regular Annual Meeting of School Sections.
June 29. County Academy Entrance Examination begins.
June 30. Public Schools and Normal College close.
July I. Dominion Day.
July 5. Provincial High School examinations commence.
July 7. Last day for Annual School "Returns" to be received Inspector.
July io. M. P. Q. Examination.
July 13 . Opening of Military School at Halifax
Full opening of Vacation Rural Science School at Truro.
Opening of Bi-lingual School for Acadian Teachers at $T$ rum
Opening of Summer School of Science at Charlot tetow. Dominion Educational Association opens at Victoria, B. Cac
19. Last day for Inspector's "shets" to be received at Educh tion Office.
July 30. Summer Science School at Charlottetown closes.
Aug. I. Next School Year begins.
Aug. 12. Vacation Rural Science School at Truro closes.
Aug. 30. Regular opening of Public Schools, beginning of Quarter.
Sept. 6. Labor Day (holiday).
Sept. 30. Opening of Normal College at Truro.

## DATES OF MEETINGS OF BOARDS OF DISTRICT SCHOOL

## COMMISSIONERS.



Chestrurg and New Dublin-Wednesday, May 12th.
Qurens, Wednesday, June 2nd.
$\mathrm{Qu}_{\mathrm{E}} \mathrm{ens}$, North-Friday, June 11th.

$B_{A_{R R}}^{\text {LLBURNE }^{2}}$,-Friday, May 14th.

$A_{R G Y I E T H}$-Tuesday, June 8th.
$A_{N_{N A E}}$ Friday, June 11th.
A NAPOLIS, EAST-Wednesday, May 26th.
$\mathrm{D}_{\text {IGPY }}$ APOLIS, $^{\text {WeST---Tuesday, May } 25 t h . ~}$
$\mathrm{C}_{\text {LARE }}$-Monday, May 17th.
$\mathrm{K}_{\mathrm{I}_{\mathrm{GS}}-\text { Wednesday, May } 19 \text { th. }}$
Has Tuesday, May 11th.
$H_{\text {NTSS }}$ WEST-Friday, May 14th.
A Ints, EAST-Wednesday, June 16th.
${ }^{6} \mathrm{~V}_{\mathrm{SO}} \mathrm{GONISH}_{\mathrm{NH}}$-Wednesday, May 19th.
$S_{r} \mathrm{M}_{\mathrm{ARORO}}$-Tuesday, June 1st.
CApe Bry's-Tuesday, June 15th.
$\mathrm{ICT}_{\mathrm{TO}_{\mathrm{RI}}} \mathrm{Brion}^{2}-T u e s d a y$, May 18 th.
NVRIA-Tuesday, June 8th.
RUERESS, North-Tuesday, June 1st.
RCHMONS, South-Tuesday, June 1st.
${ }^{\text {PICTOOND}}$, Wednesctay, May 19th.
${ }^{\text {PlCrou, South-Friday, May }} 7 \mathrm{th}$.
Cumber ${ }^{\text {ORTH-Monday, May 10th. }}$

Corchera-Wednesday, May 12th.
Cor chester, South-Tuesday, May 4th.
STRLISTER, West-Thursday, May 6 th.
Thursday, May $20 t h$.

## DISTRICT SCHOOL COMMISSIONERS.

(Appointed February 3rd, 1909.)
Annapolis, East-Heber Boland, Laurencetown.
Samuel E. Bancroft, Laurencetown.
Herbert H. Whitman, Laurencetown
Fred. W. Bishop, Paradise.
Annapolis, West-Alfred E. Atlee, Annapolis Royal.
Frank A. Whitman, Annapolis Royal.
Thos. M. Buckler, Annapolis Royal.
Inverness, South-Rev. J. C. McLeod, Port Hastings.
(Appointed March 19th, 1909.)
Antigonish-Rev. Arch J. Chisholm, Antigonish.
Inverness, North-Rev. Alex. Ferguson, Strathlorne.
Rev. J. W. McLean, Whycocomah. Lauchlin McKinnon, Ainslie Glen.
Victoria-Rev. C. C. McIntosh, Baddeck.
(Appointed April 24th, 1909.)
Antigonish--Rev. M. F. Tompkins, Lochaber.
Rev. A. H. Denoon, Antigonish.
Rev. Dougald Gillis, Antigonish.
Kings-Lamert Patterson, Aylesford.
Pictou, North-J. Smith Grant, Pictou. W. O. Creighton, West River.

Pictou, South-Howard S. Kennedy, Alma. N. Inverness-Rev. John D. McFarlane, Margaree Harbor.

## MANUAL TRAINING LICENCES.

Issued since the Publication of Journal, October, 1908 .
45. Joan Thompson Mosher, Windsor, Hants Co.

Section to be named in Second Schedule.
Inspectorial, Division, No. 9.
Pictou North.
No. 55. Three Brooks.

> ERRATA.

October Journal, 1908, page 104, first column add to the elich $^{\text {a }}$ of successful M. P. Q. candidates at North Sydney the $n^{a^{11}}{ }^{\text {P }}$ Kathleen M. Moore, Second Rank.

October Journal, 1908, page 100, add to the list of succes $\operatorname{son}^{\text {fit }}$ t Grade IX candidates, Yarmouth, the name of Irwin Cahat ${ }^{\text {Georb }}$

October Journal, 1908, page 98 , line 24 second column, Georb Henry Wilson should be omitted.


Correspe A (final) papers will be written at the same time as the nding papers of regular Grade XII.

## SPECIAL STATISTICS FOR 1909.

this The two questions of previous years are to be repeated in definjitions Annual return. Teachers are requested to read the next par of defectives, and incorrigibles as given in the to speciallyraph, with thoughtfulness. Inspectors are requested these or or ${ }^{\circ} \mathrm{r}$ any other question without evidence of intelligent care. Return $_{\text {The blank columns }}$ 148, 149 and 150 in the Register and Annual are to be filled in as follows:-
148. No. of Defectives of school age in Section.
$149 .-$ No. of Incorvigibles of school age in Section.
150 . No. of pupils who have never been vaccinated.
"Defectives" are not meant to include the blind and deal which should be reported in the columns respectively provided for them. Defectives are feeble minded pupils, who have not enough to profit by ordinary school instruction; but who if ${ }^{\text {ed }}$ cated might be able to earn a living in some capacity, and be saver from the helpless, if not vicious, condition which is likely to render he them an expense to the public and a menace to the morals of the community. Some of this class may also be more or less defective in sight or hearing. But neither the School for the Blind nor the School for the Deaf have facilities for the education of any are not of normal strength of intellect. In many countries a 1 ang proportion of such pupils are trained to considerable intelligernt and self-control, and are able to fill useful positions and suppor themselves.
"Incorrigibles" mean persons of school age who cannot bl effectively controlled by their parents or guardians, or the stion authorities; but who have not yet become criminals. They ined habitual truants as a rule, but presumably capable of being traip by a firm, kind and intelligent hand into self-respecting, self $\mathrm{con}^{20 \mathrm{n}} \mathrm{d}$ trolled and moral citizens. It is hoped that both teachers ${ }^{\text {a }}$ ber trustees will be able to furnish an accurate estimate of the nulime of such pupils in their school section.

## SUPPLEMENTARY ANNUAI, RETURN, 1909.

The following additional information is requested to be se in with the Annual returns on a page of letter or foolscap $p^{2 f}$ to the Inspector, who after initialling the paper and taking $10{ }^{0 l}$ of any information he may desire, will send it in a special ${ }^{\text {arel }}$ to the Superintendent of Education.
 individual counted in the following columns of the Registet Return)

Not in attendance at Institution for Deaf and Du al $^{\text {b/ }}$
129 (b) Not in attendance at School for Blind.
148. Defectives.
149. Incorrigibles.

And
A. Has there been any medical or dental inspection of the pupils in your school?
B. If so, estimate the number of pupils inspected. on
C. How many times in the year are pupils inspected? or twice?
D. How many teachers have taken a physical trainimb course up to date?

The names asked for above will not be published. They will simply be given to the heads of the institutions provided for them, municating with the parents; in other respects the names and addresses shall be deemed to be confidential. This return should be signed by the Secretary and the principal teacher of the section. By Order, ${ }^{24 \text { th }}$ April, 1909.

A. H. MacKAY.<br>Superintendent of Education.

## Vacation Schools.

in As the Education Act requires the Provincial Aid to be paid and the noint proportion to the class of license held by the teacher ${ }^{\text {a }}$ holid number of days taught, the C. P. I. has no power to give teacher to any school or class of schools which can qualify the $f_{0}$ in to draw the Provincial Aid for such days, except as provided Cithe Act.
vacations and towns, therefore, which are at liberty to take longer
Proving than the rural schools, do so without drawing on the ${ }^{\text {Bincial Aid for such time. }}$
${ }^{\text {during the }}$ Bhile many city and town pupils can move into the country leare the vacation season, a great number have not the means to day a and live in portions of the city where they cannot enjoy holiTdvantages under the supervision of any responsible parties. ${ }^{d}{ }^{\text {desite }}$ There is, therefore, here, as well as in the United States, a desire to have vacation schools in session for such pupils as parents in fine have under supervision, where the most of the time Jature-stuather shall be spent in out door educational exercises, schools only $\mathrm{f}_{\text {air }}$ Would be necessary only in cities and towns, it would be general fair, that any grants lost by taking an extra week in the ${ }^{\text {special }}$ public schools, might be allowed to be earned by such it is Shouldic schools in vacation time.
it is veryld any city or town desire such aid to vacation schools, ery probable the legislation would be promptly granted.

## 'Teachers' Meetings in Graded School,s.

but The Principal of a graded school should not only find it useful
pose of lessary to have regular meetings with his staff, for the purliarities, ining the exact character of the work, difficulties and the of one in each school room; for articulating effectively the whole one room into that of another; and for the direction of discipline and training so as to make all the departments
function together as one school. The special duty of the principas is to develop a unity of purpose and an effectiveness of co-operatiof in all the schools under him. It is assumed in the law that iips subordinate teachers are acting under the direction of the prinutib who is appointed as the expert adviser of the school board such an end in view.

## Semi-annual Advance of Class of License.

The semi-annual payment of Provincial Aid to teachers be paid on the basis of the class of license held at the opening ${ }^{\text {ol }}$ the school each half year.

## Mid-Summer and Winter Vacations.

Hereafter the regular midsummer vacation in all schol ${ }^{\text {b }}$ may be eight weeks or as specified from time to time in the Jour ith of Education. In rural sections, on previous arrangement idty the Inspector, this vacation time may be taken wholly or pary fitin in winter. In such cases there may be authorized teaching one 0 d the regular midsummer vacation time after the regular do pe fell the schools near the first of July, the returns of which shalling. in for the half year ending near the first of February following

## School Libraries (Rural).

It should be remembered that notice of the intention to pete for a rural school library grant should be given the Insp in the regular notice of the opening of the school. If over peth then it should be given as soon after as possible, for the Insp fuill should not recommend any grant unless he has had an opport the to see that the card catalogue, accession book, and accounts are kept according to regulations.

For the Five dollar grant this year, the value of the books onvil be at least Forty five dollars. Next year it will be Fifty dolpy which will remain constant henceforward, as well as the numb issues during the year, which must be at least one hundred and pooks

For the Ten dollar grant henceforward, the value of the must be at least One Hundred dollars, and the issues for the at least Three Hundred.

> School Libraries (Superior).

Every school in which the teacher is qualified otherwise a Provincial grant greater than that of Class B (whether Acad ${ }^{\text {d }}$ High School or Superior Common School) must have a Libray fult access to a library) worth at least One Hundred dollars, the requirements of regulation 53. This Library should be
ed with a card catalogue and accession books, etc., as required for
rural school libraries; but for the present detailed annual reports, and statistics, are not necessary unless called for specially.

## THE MILITARY SUMMER SCHOOL, AT HALIFAX.

ters The following information has been obtained from headquar-
Barr or those desiring to take the Summer Course at Wellington , Halifax, Nova Scotia.
(a) The Course will begin on the 13 th of July and will last six weeks.

Subjects (b) It consists of Musketry, Military Drill, Tactics and other military
What is somich will qualify a teacher as a Cadet Corps instructor, or for
${ }^{\text {ing }} \mathrm{g}$ as is sometimes called " a military 'A' certificate." Physical Trainnow authorized for the schools will be taught.
${ }^{\text {take }}{ }^{\text {(e) }}$ (c) A transport requisition will be forwarded to those applying to ${ }^{\text {" }}$ course. This when tendered to a ticket agent will procure a class railway ticket.
(d) The

Proceeding To actual expenses, such as cab fare, meals, etc., incurred in
Ment to the returning from Halifax will be refunded by the Governthose who obtain a certificate.
in the (e) There will probably be accommodation for about twenty teachers
have $t_{0}$ Officers' Quarters at Wellington Barracks. The remainder will
${ }^{8}$, 25 a live in the City. Those who live in barracks will receive about
will a day. The cost of living in the Officers' Mess and other expenses
${ }^{\text {ceive }}$ practically use up this amount. Those who live in the City will re-
odging. $\$ 2.00$ per day and will themselves arrange for their board and
${ }^{\text {ele efectric }}$ (f) The rooms in the barracks are furnished with bed, bedding,
Aty other ligh or lamps, bureaurracks are furnished with bed, bedding, furnishings must be supplied by those occupying them.
Unif ${ }^{(g)}$ Those who do not belong to a Cadet Corps in the possession of will not be required to wear uniforms.
${ }^{\text {to }}$ (h) There may be one or two functions at which it will be necessary
way an evening dress suit. Any who do not wish to bring such a suit (i) permission to be absent from such functions.
(i) It is advisable to bring a sword and belt.
(j)* Teachers who pass this course and become members of ith $^{4}$ Militia and train a Cadet Corps which passes inspection will recel ${ }^{\text {Pe }}$ yearly bonus as follows:

Less than 20 pupils, no bonus.

| Less |  |  |  |
| :--- | :--- | :--- | :--- |
| 2 I to 50 | $"$ | $\$ .00$ per head. |  |
| 5 I to 100 | $"$ | .75 | $"$ |
| IOI to 200 | $"$ | .50 | $"$ |

Not more than $\$$ roo.oo will be granted for a Cadet Corps orer ${ }^{\text {tim }}$ hundred.
*For later information see 209A below.
(k) Application to take the course at Wellington Barracks, , should be made as early as possible to the Superintendent of Educidili for Nova Scotia before the enst of Junc. The railway station fron ${ }^{\text {m }}$ transport will be required should be mentioned.
(1) Those who can take the course are to report to the $A d j^{\text {jata }}$, ${ }^{\text {an }}$ The Royal Canadian Regiment at Wellington Barracks, Halifar, by 10 o'clock A. M., the I 3 th of July.
(Special to the Morning Chronicle.)
OTTTAWA, May 7-A Militia Gazette issued today and the authorization of organizing a corps of School Cadets to be composed of teachers in the Public Schools of Canada.

This is in furtherance of the policy of the Militia Departho to introduce physical and military drill in the Canadian ${ }_{50}{ }^{c} 0^{\circ}$ along the lines already adopted in the Province of Nova and for which Lord Strathcona recently donated a fund of

## Authorized Uniform.

A uniform is authorized for Cadet instructors as ${ }^{\text {s }}$, 10 or Jacket-Reefer or pattern of blue black serge of ordinary civilian sackcoat length, fastened in front b rows of four buttons each, of Canadian Militia pattern. straps, blue crash with gilt metal rank badges. serge to match color of jacket, no stripes at seams. service infantry, blue. Uniform and equipment will by the officers of the Corps as is done by other officers. Amendment of ( $j$ ) above, refering to allowances payable to Instructors.
209A. For the training of a cadet Corps during year subject to the certificate of a military inspecting the cadet corps has been well instructed in the course training laid down for them, allowance will be paid to Lient calculated as follows:-

When the corps has less than 20 cadets, no allowance mill made.

From 20 to a maximum of 50 cadets, $\$ 1$ per cadet.
For each additional cadet up to 100, 75 cents per cadet
For each cadet in cxcess of 100
in With no addet in excess of 100 up to 125,50 cents per cadet.
any one no additional allowance for any cadet in excess of 125 , one corps under one Licutenant instructor.

## NOTLS AND COMMENTS.

## Univerrsity Graduate's Examination.

4
${ }^{1}$ regular application was made before the ist of May for the leadmaster's License Fxamination, it will not be held this year.

## School Sanitation.

 choolroom, to sec.both trustees and teachers know and apply in sented, apply these instructions and use the knowledge of the facts pre${ }^{\text {public meetings are often held in rural school houses. In all cases }}$ ing bef granting such use of the school room should be its thorough $S$ ore the pupils return to it.The Spitting is so ingrained a habit with many thoughtless people, that sow Yor of a fine ingrained a habit with many thoughtless people, that com of our street cars have not broken the habit in that city. But in Whim and dins and in the country, the habit is a thousand times more ${ }^{10}$ oh in and disgusting. There is not a filthy spit on a floor or pavement the of the air for will not be broken up into dust particles so light as the readyese light floating with every stirring of a breath of wind; and of to multiply with particles may have thousands of germs in

## Medical, and Dentai, Inspection of Puphs.

Some extracts are made below from the reports of the medical and dental inspectors of the pupils in the Halifax Schools, for the purpose aiding teachers, trustees and parents throughout the country, to think ${ }^{0}$ the great importance and the little cost of arranging, as the law now allow school boards to do, to have the children in the school examined once ${ }^{0}$ twice each year by the best medical man in their neighborhood.

The small cost for which this can be done all over the country is $n$ not tinfh iil compared with the amount of lifelong suffering which may be obviated dich the case of a few in every school, and the added years of healthy life whic are likely to be secured for many of the pupils. This is really more neef sary in the country than in the towns where doctors and dentists are ways within easy reach. But even in Halifax, with all these advantab at a maximum, there have already been hundreds of boys and girls $s^{\text {aved }}$
 which would soon have made life a burden, or cut it short. greater number not knowing what was wrong with them, or not kno that a serious menace to health, vigor and future success, had alrethell set in, had their attention, and their parent's attention, called to fing inf condition in good time. When we are spending so much money in bring to foreigners to fill up our country, how much more should we be wid tit spend the small amount necessary to keep our own sons and daub alive, in good health and vigor.

Parents! discuss this at your next annual meeting. Don't fet ${ }^{\text {th }}$ month of Jume pass without considering it. Authorize your trust ${ }^{\text {te }}$ t the
 health of each pupil at school. At the following annual meeting $p_{\text {ay }}{ }^{\text {con }}$ attention to the medical officer's report, and see, even if you have ben fortunate as to have received no benefit on account of the perfect didat $_{\text {fa }}^{\text {t }}$ of your own children, if there will not be several cases in which can iq $0^{100}$ for a broken-down or weakened life have gained a chance for a for and useful life. Each such saved boy or girl is of more value than Instad immigrant-very much more, for they are our own people. of of the the being invalids on our hands, they will be helpers. The cost the ${ }^{\text {b }}$ precautionary measures, will be a mere bagatelle compared with th light and labor saved in the school section.

Here are are some figures from the report of Drs. Cunning $\frac{10}{}$ and Doyle who had charge of one-half of the Halifax City

inflam will be seen that the largest percentages are reached by the eye defects, viz., in this reyar and defective vision. The necessity of prompt attention is obvious become worse most of the defects being acquired and not hereditary, and tend to worse unless corrected.
Haxal The next highest percentages are the so-called catarrhal troubles-defoctive plands, and heathing, enlarged tonsils, post-nasal growths, with their results-enlarged properessity of a carefure serious affection of hearing. These figures would suggest tioner treatment careful examimation, and of some method of ensuring prompt and thent while over $10 \%$ will be seen that only $2 \%$ are at present receiving proper attenthent has been done ine in need of it immediately. Recommending pupils for treatWhiten cases where the in a very conservative fashion--only when absolutely necessary
When we where the slightest doubt exists being postponed till the next examination,

## half of the Woodbury, Medical Inspector of the Schools in the other of the City, has the following extracts in his report:-

departmendividual examination has been completed of each pupil present in every Pre pils in the of the schools allotted to my care, representing roughly one-half of the are as follows:- city, and results noted in the card index. The tabulated results of which $P_{\text {upilis }}$


## Results-Cure, 2:3.

 Notably improved, 37. $\mathrm{pla}_{\text {aces }} \mathrm{P}_{\mathrm{up} \text { ilds }}$ poses of comparison.${ }^{\text {to }}$ y will therefore be int to make mathematical comparisons. A few explanain ${ }_{\text {lagt }}$ The great in

Year's report, is due lares of Enlarged Glands, almost three times the number ${ }_{3}$ at $^{\text {The }}$ fig port, is due largely to the prevalence of infectious diseases.
48
they migures for Pulmonary, Bronchial and Cardiac diseases are not so accurate
afl, passage, the removal of always able to examine in a room which is warm enough
Tub or cloakroom.
age, Tuberculosis doe
does not ordinarily manifest itself in the lungs of children of school

The increase in Skin Disease and deformities is due largely to more careful searcl and an increasing knowledge of many of the children in their homes, in private and dispensary practice. Several cases of deformity are now under treatment.

The decrease in the number of children suffering from inflamed cyes is larely the result of treatment. This is a visible defect, therefore more likely to be remedidel when the attention of the parents is called to it.

The number suffering from defective vision is about the same as last year. "asse figures, of course, include many who have adopted treatment, and are wearing gat of fort Their vision without glasses is of course in most cases still defective, they are there included in the figures from year to year.

The decrease in the number of pupils having discharging ears is largely the regult of treatment.

It is of course very difficult or impossible to ascertain from many of these children as to whether treatment has been adopted. The good results accruing from report ing these cases to the parents are far beyond anything we can estimate in figures.

Every school was visited during the autumn months, and teachers and pup ${ }^{\mathrm{jp}}$ were given brief instructions with a view to the prevention of contagious dise particularly diphtheria. The throats of hundreds of children were examined pers wis ally, resulting in the temporary exclusion of many suspicious cases. A circunr and prepared for the teachers giving some directions for the prevention of diphtheria the exclusion of mild cases from the schools.

All teachers submitted to me have been examined as directed for pensions, lea of absence, etc., and written reports of each case sent to the Board. Special examin tion was also made of children sent to my office by the Board of truant officer.

Constant vigilance has been exercised with a view to the betterment of san itar conditions in school buildings and classrooms, and recommendations made from to time.

The question of the disposal of the disease carrying dust which accumulation in the ordinary school room is one which calls for immediate and careful considerd ${ }^{\text {and }}$ It might be in the interests of the health of the community if the School Board ${ }^{\text {and }}$ see its way clear to become the owner of a well-equipped vacuum cleaning plant of out in this way largely dispose of the germ laden dust which infests the atmosphere school buildings.

A little observation has shown that many pupils, as the result of domestic cold $^{\mathrm{cos}^{\mathrm{n}}}$ ditions, are in the habit of coming to school each morning without having par prad of any food whatever, or having had only a very early breakfast consisting a mildrep and tea alone. Effective work is a physical impossibility for these underfed best resul ${ }^{1055}$ This is a problem which must be met sooner or later if we are to get the best the grthe In cities where something has been done in this direction, it is said that the of ie majority of the pupils regardless of their domestic circumstances, and mad supp in the school, especially at some period during the long morning session.
Drs. Thomson, Woodbury and Ritchie, the Committee
the dental examination of the Halifax Schools, have the follo paragraphs in their report:-

4,259 pupils, average age about 10 years, were examined. Of these $943 \mathrm{hap}^{\mathrm{nd}}$ tooth-brushes which were used less than once a day; 970 had irregularities of the the the the more or less detrimental to the health of the individual; 316 were nouth- of oup There were approximately 13,000 unsound teeth while of the whole number over 100 only 654 were without cavities; 244 had fractured teeth; 103, abscesses, 426 had thousand had the teeth coated with calculus, commonly called tartar; 43 pupils all the first molars, three of which was the average number present, 69 were had operative treatment at the hands of the dental practitioner; 2,691 wer
mended for it. About 3,000 mouths were healthy, over 1,000 unhealthy, and the
rest about 200 ablthy. In the combined grades IV of the city schools 543 pupils were examined. Average age slightly over 10 years, 138 tooth-brushes; 543 pupils were examined. Average 118 with irregularities; 1.5 with V-
tured arch; 66 mouth breathers; 1,679 cavities; 55 without cavities; 34 with frac-
with noeth; 18 with alveolar abscesses; 19 with pyorrhoea; 169 with calculus; 24
mouths; first molars; 27 under treatment; 365 treatment recommended; 362 healthy

- 50 unealthy; 22 very unhealthy.

Taking at hazard the Bloomfield Street School, we find amongst 281 pupils ex-

| $V$-shaped mouth | 7.50\% |
| :---: | :---: |
| Irregularities ... | 3.50 |
| Mouth breathers ... . . | $1 \%$ |
| Under treatment of cavi |  |
| Healthy mouths. | . $75 \%$ |
| Unhealthy mouths |  |
| Very unhealthy mouths | .75\% |
| Without cavities ...... | $2.87 \%$ |

in early statistics show that under the heads, healthy, unhealthy, very unhealthy
paratiy life, that is in the lower grades-the percentage of healthy mouths is com-
This phen high. Every increase in age has its corresponding decrease in percentage
by thenomenon is explained in part by the increasing number of decaying teeth;
the due continued neglect of the elementary laws of hygiene; and, by systemic disturb)
becomes to alveolar abscesses and the breaking down of the tooth tissue. The food
ine teeth as anninated during mastication by the decomposing products lodged about
${ }^{0}$ Passing as well as by bacteria in immense numbers. Even the air becomes vitiated ag to the lungs over the contiguous tissues.
mouth this point it would be well to call your attention to the large percentage of
and indeeathers to be found in public schools. This condition is usually an indication
min or surg the result of other trouble more remote. The treatment of which is a
hast; the lual operation. Neglect this and in many cases the power to concentrate phye been vacant stare and dullness of intellect supervene, and the child who might
${ }^{\text {yysicul. }}$ a good student is seriously handicapped by conditions not mental, but
$\mathrm{i}_{\text {nsufficient }}$ Would most respectfully urge upon you that the present school training is
of the teeth to adequately impress upon the child the importance of the proper care
It and oral cavity. That this is true the statistics quoted are proof sufficient.
unhealthy been and still is the popular belief that the results of decayed teeth and
Ase. One gums are purely local in their character. A greater mistake never was
alv well known the first considerations in preventive medicine is a healthy mouth.
thouth abscesses, by the medical and dental profession, the bacteria and toxins from
${ }^{8 y} 8 t \mathrm{~m}$ are far-res, and the accumulation of sordes about the teeth in an unhealthy
patholic diseases,
the mogical process but by their continued presence also aggravating and complicating
ost skilful and scientifing or preventing their return to the normal in spite of Port It will thus and scientific treatment.
the pance, thus be seen that the care of the mouth is not a matter of little or no im-
child rental notice for pould urge that the following suggestions, printed on the back of in the public schools.

## Care and Preservation of the Temeri.

[^7]Decayed, sore, unhealthy teeth and gums are not only a fruitful cause of ind gestion, but often lead to serious stomach, throat and lung troubles.

The four large back teeth which make their appearance at about sis yerf of age belong to the permanent set, and should therefore be carefully preserved.

To preserve the teeth at their best, they should be carefully brushed with to saty suitable paste or powder (recommended by your dentist) before going to bed, fer ped no food of any kind after, also on rising in the morning, and better still afte meal. Clean tefth seldom decay.

Brush all the teeth back and front, the inside as well as the outside surfaces.
 brush should be rotated from the gums to the points so ais to pass the bristle the teeth.

A diseased mouth or decayed teeth detract from the appearance, affect the hedely produce fetid breath, much suffering and a shorter life. The only object of the ${ }^{\text {e }}$ examination of school children is to prevent these evils.

We would further call your attention to the fact that the a verage number of the ${ }^{60}$ permanent molar teeth present is only three. These teeth are the first of the $p^{(1)}$
 parents indeed firmly believing that they will be replaced by others. This los the whe if possible be prevented, since these teeth are the foundations upon which rem the permanent set are built, and their loss usually results in irregularities of the thens ${ }^{\text {set }}$ with a consequent deformity of the face, and loss of function in the teeth $t$ th while owing to their crowded condition, decay becomes inevitable.

## Examination Notes.

As June is for the Province on the whole, the best school $\mathrm{m}^{015}$ the year, the imperative closing of all the schools of the Province for tion purposes cannot be authorized within the month.

The Provincial High School examinations cannot be held in for it would necessitate the closing of every school where the teacher is tin $^{\text {th }}$ desire to go up for scholarship promotion. General vacation $t^{1^{10}}$ only time for these examinations. grading in the public schools, and are purely voluntary except take the examinations is totally unauthorized by the Education Depar is repo is a local rule where it exists for which local authority alone is

Candidates who happen to be a few points below a pass limit and $^{\text {ard }}$ apt to think that by a little straining the examiner might equaly pass them. It should be remembered, however, that no one down near a "passing mark" which is placed far below the desirab, "100" "al" ard as a technical limit. Candidates should be near the " 1000 s 10 " 10 and never near the "pass mark" No one a little above a has anything more than a tochnical right to a pass-a right
 ination when a candidate is a point too low has become such an adidel al nuisance, each case involving several letters between the cand its Education Office, and the examiners, that the C. P. I. orders
tinuance except in cases vouched for by a competent authority, when
a fee to eoverpt in cases vouched for by a competent

## Patriotism in the Schools.

Successfull Scotia stands well in the Empire. Here the first attempt was ment withy made (in 1758 ) to show how colonies might have selfgovernstarted on its world wide Empire. Here Empire Day was first formally ${ }^{\text {training in }}$ its migration around the globe. And here universal physical, for the in the schools, and military training in the higher institutions, tion of development of rugged health and good form, and for the preservaout the peace in the world, if the same scheme should be be adopted throughSydmpire, has come into existence.
$\mathrm{Sm}_{\text {maller }}$ eyd, Antigonish, Halifax, Pictou, as well as Truro, and numerous to the local centers, have spontancously rushed, a thousand strong, already front, although three years have been given to qualify teachers
The he licensed to conduct the training in the most approved form. of a singly enthusiasm with which all this has been done, and the absence ${ }^{\text {are }}$ true growler, show that our teachers are not mercenaries-that they children patriots, ready for any reasonable effort for the benefit of the properly in their charge, and the good of their country. May the country to And appreciate their spirit.
${ }^{0}$ and $y$ tra here also have we decided to grant a provisional license year finds a teacher from within the Empire who is in good standing
fear with a school in which he may be employed: or to exchange for a With a teacher from Britain, France or Germany.

## The Greater Britain Patriotism.

$Z_{\text {ualand }}$ Every one should know that last year the school children of New
the of $\mathrm{Can}_{\text {an }}$ about \$1000 as a contribution to the Battlefield Memorial undinga on the occasion of the celebration of the Tercentenary of ing of Quebec.
Hern they known of the later though quieter celebration of the first
pion pent colonial parliament in Nova Scotia in 1758 and its complepref with colonial parliament in Nova Scotia in 1758 and its comple-
to cored to ginsible government in 1848, they would no doubt have Which comemorate the contribution to the Halifax Memorial Tower which is No New $\mathrm{N}_{\mathrm{m}}$ Zate as well the genesis of their own local governmentunder
the Scotia ealand is the happiest and most loyal member of the Empire. greets New Zealand on the other side of the globe as one of patriots in the sisterhood of the Empire.

## Simplified Spelling.

 Gost reeded. diter after any and France have lately made extensive changes; and the g a resistance for many years by the French Academy, is introatt Most second instalment.thd tion to the other European countries have already been paying chols, of their lographic improvement with a view to extending the life heir languages, and saving waste of educational energy in the

The latest, however, is the simplification of Dutch in South Aifich which is thus made so formidable a competitor with English, that a corth spondent of the Celtic Magazine recommends the Kelts of Scotland simplify the spelling of Gaelic with the same object. Welsh is increatered in Wales aided by the fact that its reading and spelling can be master accurately a year earlier than English can.

From the April "Education Gazette", Capetown, we quote from"
First Year. It appears that the simplified "systel" of spelling has 'been generally adopted-less than one per ${ }^{\text {cent }}$ using the old spelling. Many candidates, however, have "only "Nell notions as to what the new system means. They write tom Spelling" at the head of their papers and use in their answers for "like * * * *.
"Second Year..-The results of the examination are on the whol fairly good, although $* * * *$. The translation into Dutch "in the majority of cases poor; some candidates seemed to "that every verb in Dutch is followed by the preposition "others that the simplified spelling has no rules at all $* * *$."

Sometime it will be our turn to pass through such a stage. who have much writing to do, cannot be expected to cripple their by adopting the new forms. Habits once formed are very troub things to change. But still all wise people who have to keep to acquired habit, must be in favor of the speedy coming of the day wher ${ }^{\text {ol }}$ pupils will be introduced at first to the better form of spelling, 50 they may have no wrong habits to desire unavailingly to change they become busy.

## PRESENTATIONS TO OUR IIBRARIES.

The Genesis of churches in America, by James Croil.
About two years ago, Mr. James Croil of Montreal presented to hundred of our best school libraries, his splendid "History Navigation." He has repeated this liberal act again by the pre of another hundred very finely bound and illustrated volumes of "Genesis of Churches" in America, in which many of the more remp edifices of the continent are described and figured. The than Mr. Education Department were formally and heartily tendered to ${ }^{\text {and }}{ }^{4}{ }^{4}$ but those using the volumes in these hundred libraries will for man ${ }^{\text {th }}$ o be thankful for the special knowledge thus put within their real subject interesting to all denominations of our people.

## The Geological Survey of Canada.

Our school and college libraries are also under obligations Geological Survey of Canada for the disposition of its members rector to have many of its very valuable publications sent to them
ly. Such
are missing presentations should show schools without libraries what they sing on account of the lack of a regularly organized library. as well as the most universally used.
${ }^{\text {Other }}$ Isaac Pitman shorthand has demonstrated its superiority over all
national Systems winning all the principal honors in the following InterShorthand Contests:-
the First International Contest, Baltimore, 1906. The Miner Gold Medal, nly trophy awarded, won by Sidney H. Godfrey.
by Second International Contest, Boston, 1907. Miner Gold Medal won
$C_{u p}^{\text {Third }}$ International Contest, Philadelphia, 19o8. Eagan International Won for the second time by Miss Nellie M. Wood.
$C_{\text {Cup }}$ Fourih International Contest, Providence, 1909. Eagan International $^{\text {Fon }}$ the third time and permanently, by Miss Nellie M. Wood.
While eleven contestants took the different dictations in the eleven contestants took the different dictations in the at Pitman System, Graham, Ben Pitman, Munson, Success egg-only the first two qualified. Five of the contestants
on accow before the transcription began, and four were disqualified Whichunt of the ruling, that no transcription would be considered $I_{s \text { ade }}$ Would contain more than ten per cent of errors. The Sir minute $\mathrm{Pitman}^{\text {sinstem won over the Graham by } 264 \text { words in five }}$ (lightes, against 246. The Ben Pitman second 116 and the Gregg gat line) 64 in the five minutes.

The $U_{\text {niversity }}$ of $S t$
$N_{0}$ our University of St. Francis Xavier at Antigonish is the first E Dova Scotiarsities to utilize for educational work our beautiful and Ailon last July weather, as suggested by the Journal of the $P_{\text {th }}$ sical Traini. This Summer School of Literature, Science, 4th of August

## Journal of Education.

Published at Halifax, Nova Scotia, on the 18th Day of May,

CONTENTS.

List of members of Council, Educational Officials and Inspectors. ..... $5^{-2}$More Important Educational Legislation from 1 yoo to 1908
Provincial Aid and Annuities paid to teachers, February 1909 ..... -
More Important Educational Regulations from 1900 to 1908 ..... 5
Acadian Commission Report, 1902 ..... 5)
Regulations for Provincial High School Examinations ..... $7^{3}$
Regulations for Licensing of Teachers ..... 4
Regulations for Arbor, and Empire Days ..... 6
Regulations for Public School Sanitation ..... 80 ..... 80
Dr. Knopf on Tuberculosis and Public Schools ..... 85
A Catechism on Tuberculosis and Public Schools ..... $10^{2}$
Phenological Observations ..... ${ }_{0}^{09}$
Senecio Jacobra (St. James Ragwort)
${ }^{1}$
${ }^{1}$
Brown Tail Moth
Brown Tail Moth
${ }^{2}$
${ }^{2}$
Rural Science School Course at Truro
Rural Science School Course at Truro ..... $2^{6}$
Rural Science Garden Regulations
Rural Science Garden Regulations
$14^{4}$
$14^{4}$
Simplified Spelling-Third List, New York
Simplified Spelling-Third List, New York
${ }^{1}$
${ }^{1}$
Simplified Spelling-English Society, London
Simplified Spelling-English Society, London .....
${ }_{2}{ }^{1}$ .....
${ }_{2}{ }^{1}$ ..... ${ }^{4}$
County Academy Entrance Examination
County Academy Entrance Examination
High School Program
15
15
Syllabus of the University Post-Graduate Examination. ..... ${ }^{6}$
More Important Educational Legislation of 1909 ..... ${ }^{6}$
More Important Educational Regulations of 1909 ..... $\int_{6}^{11^{6}}$
New Books Recommended to Teachers and Libraries ..... ip
Notices of Prize, Scholarship and other Competitions, and Conventions ..... 14
Calendar, Summer, 1909.
Calendar, Summer, 1909. ..... $n^{7}$
g
Official Notices
Official Notices
17
17
Form for the New Supplementary Annual School Return
Form for the New Supplementary Annual School Return
11
11
Official Notices, continued
Official Notices, continued
4
4
Military School at Halifax
Military School at Halifax
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School Sanitation
School Sanitation
$8_{8}^{8}$
$8_{8}^{8}$
Medical and Dental Inspection of Schools in Country ..... $8^{8}$
Medical Inspection of Schools in Halifax
Medical Inspection of Schools in Halifax ..... 2
Dental Inspection of schools in Halifax.
Dental Inspection of schools in Halifax.


[^0]:    
    $.30^{000}$

[^1]:    

[^2]:    (Passed the 4th March, 1904.)
    $R_{\text {eg }}$
    ectiong, 10 (a). shall be No school section, although regularly placed on the list of 'poor equal to thess the sectional assessment voted, levied and collected, slaill be 0 the average rate of sectional assessment in the county.

[^3]:    Third, 'that, for the future, Inspectors of Schools be required to make a special
    but particula to the Department of Education on the general progress of such schools,
    methods adarly on the progress made in the study and use of English and on the adopted in teaching it."
    Who have which is dutifully and most respectfully submitted by your Commissioners have the honour to be,

[^4]:    I. What is Tuberculosis?
    ing both very commom and of
    2. Where is it most frequently met with?

[^5]:    ${ }^{0}{ }^{0}$ nhine (4). Candidates may write on more than the six subjects or be dets indicated in (2) and (3). In such cases the "pass" is the hietermined by the group including the highest six subjects of the nine papers, as the case may be, providing English 10 ge group.

[^6]:    in $^{\text {on }}$ "If a candidate has a physical defect preventing good reading or writing, applica-
    descriptione made if
    escription of ode if qualified by, and accompanied with, a particular and authentic ion of the case for the consideration of the Education Department.

[^7]:    hildication touching personal appearance, good teeth are essential to thorough should the food, without which there cannot be perfect digestion or health. uld be taught to chew their food slowly and thoroughly.

