

PERSONAL NOTES.

There are three vacancies in the staff of the Pictou Academy, caused by the resignation of Principal MacKay, Science Master, to take the Principalship of the Halifax Academy; of Jas. C. Shaw, Classical Master, to take a "Munro" tutorship in Dalhousie College; and of R. M. Langill, Mathematical Master, to enter on the practice of law.

Rev. Dean Gilpin, D. D., Principal of the Halifax Academy, has intimated his resignation at the end of this term, after a singularly long and successful career of forty years in the teaching profession. In this long and busy life he put an impress upon thousands of the ablest minds in our country; and long after he rests from his labors the influence of his genial and literary spirit will be widening its ever progressive sphere. In him the profession have a model of modest, patient and scholarly effort, and the public a man whom they should delight to honor.

D. A. Murray, B. A., (Dalhousie), Truro, N. S., has been awarded the mathematical fellowship of the Johns Hopkins University. It is of the annual value of \$500 for two years.

Gordon Laird, B. A., (Dalhousie, 1889), P. E. I., has just been awarded a fellowship at Cornell University in classics.

SCHOOL AND COLLEGE.

ACADIA COLLEGE.—The following were graduated at Acadia College at the closing exercises in June:

Henry T. DeWolfe, St. Stephen, N. B.; Edward M. Bill, Billtown, N. S.; Hugh S. Blackadar, Halifax, N. S.; O. O. Lyons, Waterville, N. S.; Judson Kempton, Hopewell, N. B.; Walter S. Black, Salem, N. S.; Archibald W. Foster, Bridgetown, N. S.; Leander A. Palmer, Dorchester, N. B.; J. Howe Cox, Cambridge, N. S.; Wilfred B. Crawley, Sydney, C. B.; Fred C. Hartley, Carleton, N. B.; Mockett C. Higgins, Wolfville, N. S.; Charles S. Lyons, Somerset, N. S.; Horace W. McKenna, Kingston, N. S.; Charles H. McIntyre, Springfield, N. B.; Wellington H. Jenkins, Cady's, Queens, N. B.

The members of the class were presented for their degrees in the usual formal manner, by Rev. W. H. Warren, M. A., and received their parchments at the hands of the President.

The degree of M. A. in course was conferred upon Rev. O. C. S. Wallace, and Mr. A. K. DeBlois, who had received the degree of M. A. in course from Brown University, was admitted *ad eundem gradum*. Two honorary degrees were conferred, that of Doctor

of Science on Prof. Wm. Elder, of Colby University, and that of Doctor of Divinity on Rev. Calvin Goodspeed, of the *Messenger and Visitor*, St. John.

The following are officers of the Alumni of Acadia for 1889-90:

President, F. H. Eaton, M. A.; Vice-president, L. B. Oakes, M. A.; Secretary-Treasurer, S. W. Cummings, B. A.; Directors, Rev. A. Foshay, Windsor; H. L. Beckwith, B. A., Halifax; Rev. S. A. Ford, B. A., Fairville, N. B.; E. D. Webber, B. A., Truro; H. A. Lovett, B. A., Halifax; L. S. Payzant, Halifax; F. Rand, Kentville.

QUESTION DEPARTMENT.

Questions and Answers.

F. M. E. Will you kindly tell me the best and most practical way of preserving the *larvæ* of insects?

Put them for a few days into a bottle of whiskey or alcohol diluted to half strength. Then transfer them to small glass vials about their own size, filled with strong alcohol and secured with tight corks. The dilute alcohol is to prevent too much shrinkage by the abstraction of water before the tissues become hardened. The small vial is to enable the larvæ to be easily examined from every point of view.

To preserve the color of the larvæ some recommend dipping the caterpillar for half a minute into boiling water before transferring to the alcohol.

A method requiring more patience and skill is to eviscerate the larvæ, then inflate its skin by means of a blowpipe, made of a glass tube drawn into a fine point, in a current of dry heated air until the skin dries and hardens into shape. The heated air may be obtained within a sheet iron funnel or tube heated from without by the flame of a spirit lamp.

R. M. PICTOU CO. Enclosed I send you a number of apple twigs with their extremities swollen and the terminal bud dead, so that extensions of the twig can only occur by side shoots from the sides or bases of the swollen part. What is the cause? Is it injurious? And how may it be prevented? Three or four of my young trees are partially affected; and I am informed that several neighboring orchards are similarly affected.

1. It looks like the work of the Apple-bud worm (*Eccopsis malana*, Fernald). The mischief is done by the larvæ which eats the terminal bud in early summer and even burrows into the end of the twig. It is a pale yellowish green caterpillar, sometimes tinged with pink on its back, according to Saunders. Generally, after devouring the bud, it fastens a neighboring leaf down to the twig as a temporary domicile, which it finally deserts to form a yellow woolly tubular cocoon. It now becomes of a dark