remedying this condition of affairs we should in our programme experin ents. give greater prominence to the discussion of collegiate matters, that I would heve advanced would be to make it not only an organ-appreciation of our experiments will become greater. It would devolve upon the Union to hear some of the expenses of counsel. publication of the REVIEW, but that would not be considerable. to the evolution of the O. A. C. graduate, but we are here to know are all proud of being inseparably connected. of each other and to co-operate with each other in helping along our good cause. Means should be considered such, perhaps, as the adding of a committee on reception to our list to make our meet ings more genial in that respect, and further also provide, as far as possible, for the accommodation of visiting alumni in the college, It dampens their ardor and tempers their zeal to seek the modest Inns of Guelph, and I am sure that I voice the opinion of every graduate here when I say that they would willingly pay double the hotel charges to be allowed to make their home in the college. schile here. Repose this duty in the charge of the students and thus bind them up with the interests of the Union as much as possible.

The most practical phase of our work is that of experimentation, and in respect to this it seems to me better to urge a thorough. Kansas, Missouri, Minnesota, Wisconsin, and Ontario, and it is development of the various lines of experiment we now have in upon the results of these that the present address is based. From

allowed to weaken through oversight presages the collapse of the thing new. It has been said by Coleridge that experience is like while structure. The connection between our society and the the stern lights of a ship which illumines only the track it passes college deserves a first place and the highest honor in our estima- over, and we may extend this simile by saying that experiment is tion when considering the elements that have contributed to the the brilliant head ight that illumines the path before. Agriculsuccess of our Union. It has appeared to me that in the past this ture has long-suffered for the want of experimenters to solve the desired unity of all for the good of the one, though at all times many perplexing questions of practical import that are continually apparent, yet has never been accredited with the importance that cropping up, but that day is past and now we find farmers and is due it and the fruits of this are to be seen in the number of the scientists, though long estranged, brought into close contact with college alumni that annually gather here. Our weakness, and it benefit to both through the meanum of experimental stations and is well that we should know it, is that we cannot bring out the associations such as ours. That the results of experiments carenumber of ex-students, associates, and graduates, that should at fully conducted and heating on the practice of the farm are appretend; this statement is grounded on the fact that there are hun-clated, is reflected in the energetic efforts, that are being made in dreds of such throughout Ontario. Why is this? It may be a the establishment of stations in all countries. In our own Ontario matter of dollars, and cents with those far away but it cannot be, and the older Provinces of our Dominion the Bottom has been so with those near at hand. It seems to me that not considering completely knocked out of grain farming, and moreover it is a their presence according to its true value there never has been a bottom that will require the best knowledge and finest skill to very strong bid made for their attendance. As a means of in part restore. He is our work to do this through the medium of our

The data we are constantly collecting through our fertilizer and and through this means keep up the interest in the college in the grain experiments that deserves emphases by repetition is that minds of all the alumni. For some time past I dotingly must deach experimenter determines the best fertilizer and grain for bis on the pleasure I would have in broaching to you the subject of a lown soil and conditions, this no experimental station can do for college paper, but I am happier now in spending words, that him. It was a timely suggestion that was made by my predecesotherwise would have been used in advocating this measure, to sor in regard to experiments in respect to our live stock industry, give cheering encouragement and express warm gratitude to the and I am pleased to know that this suggestion has been acted active and able movers is this important matter. As the Reliew upon. This is a field for our Union worthy of it for there is now greatly strengthens the bond of union between friends outside the in Ontario a strong reaction going on in favor of this interest, an college walls with those within its Campus, so must it serve to it means that in a few short years. Ontario will be the stockman's make this Union of ours stronger in every way. The scheme paradise of this continent, and as the interest grows the value and

of the O. A. C. Literary Society, but of the Experimental Union In conclusion, let me say, our footpath through the laborinth as well, and it is still an opinion of mine that such a step might is already blazed for us, and all that we need is hearty co-operawell be taken yet. As we are all aware there has always been a tion, generous enthusiasm, and universal encouragement, and great delay in issuing our reports, and this has been the fault of under such conditions the objects that gave birth to this society the printer and not of the compiler. Being an organ of the most gradually evolve into accomplished realities. Many of us society the results of the experiments and doings of this meeting rest too long after we hoe our row, but this should not be; for this would be made known through its pages long before it would. Union to make permanent, progress in the work, before it must reach the anxious experimenters through the usual tedious course—ever have your interest, your best efforts, and the benefit of your

Having these views optimistic though I may be, I cannot with This suggestion I commit to your charge. I have thought that any degree of surety mark the limit of usefulness of this Union in our brief sojourn here we do not extend our acquaintances not only in keeping us shoulder to shoulder in the ranks of colamong the students as we should. We are not here to merely lege defenders, but in elevating to a higher position in the induscriticise each other coldly from a distance and drop comments as artal, intellectual, and social world, that industry with which we

The Scientic Principles Underlying the Making and Feeding of Corn Ensilage.

By C. C. James, M.A., Professor of Chemistry, O. A. College,

The making of corn easi age began in America amout diffeen years ago, its development belongs to the last ten. Today the growing of corn, the production of ensilage, and the feeding of it to stock are among the most extensive and most numerous of the experiments carried out at the Experimental stations of Massachus setts, Maryland, Connecticut, New Jersey, New York, Ohio, hand rather than weaken our forces by branching off into any- the multitude of opinions and results I have carefully endeavored