patents

degrees Centigrade.

Poisoning of the Catalyst

of carbon monoxide was present

poisoning remained a riddle until

poison and so became ineffective.

out,

an efficient catalyst, enabling the direct GARTON PRIZE AND MEDAL

addition of hydrogen to be accomplished at temperatures about 200 To the Editor . AFFAIRS. Soon many and Sir-The secretary of the British nickel was now almost gene-Empire Cancer Campaign has for-rally used in reduction work. warded from the grand council thereof Sir Archibald Strong's plea for an In the case of the production of anparticulars of the Garton prize and "educational bureau" edible fat, such as margarine, it washedal, and has asked the Cancer Re-throughout the Empire, which he usual to employ a coarser nickel catalystsearch Committee of the University of prepared by the reduction of the oxide Sydney to bring the matter to the urged in a speech before the Comprehensive of those where the com-Actual feeding experiments had been notice of those whom it might interest monwealth Club yesterday, embodies extensively carried out to determine if a copy of the particulars referred to is an excellent idea. It is an idea that

Poisoning of the Catalyst the event of several dissertations of suf-occasions when countries have been promptu" (Hofman). "Liebeslied" and "Im-There was one phenomenon in regardificient filerit being submitted, the prize to catalysis to which he wished to may be divided, or additional awards leagued together apparently for no and Fugue in B" (Bach), "Sonata in F Sharp" (Beethoven), "Intermezzo in B Flat refer, which was known as "poisoning." made. The prize will be reserved if, inother purpose than her vilification. Minor" (Brahms), "Nocturne in E" (Cho-The method of making sulphuric acid the opinion of the council, no disserta-Sir Archibald mentions as an example "Prelude and Fugue in F Sharp" (Bach) by the union of sulphur dioxide with ton of sufficient may be of either seven attempt in French in F. Sharp" (Bach) by the union of sulphur dioxide with the Candidates, who may be of either sex, an attempt in France to under-estimate "Sonata in D," Op. 10 (Beetheven), "Impromptu in F Sharp" (Chopin), "Aufsch known as a laboratory operation more must be British subjects domiciled in the service rendered by the British to wung" (Schumann), "Novelette in E manufacturing scale to apply the re-not at the time members of the grandthe Allied cause in the Great War, to (Schumann), and "The Sea" (Palmgren), action with the impure gases used re-council of the British Empire Cancer which he adds as another flagrant in-

activity of the metal was due to the a dissertation. sulphur dioxide used. That destruc-typewritten in English, and embody thelease from her tyrannous rule.

and held tenaciously, and as a conse-authors. quence the catalytic surface, instead of for a prize shall, upon authenticated an official department accessible being available for the free absorption application within three years of the

ADV 21-6-29

There was a large and appreciative audience at the Elder Hall on Thursday, when Mr. John Horner gave the third of the present series of midday free organ recitals. A pleasing programme of examples of the works of early and modern French composers was submitted in Mr. Horner's accomplished, style. The great variety of stop commanipulation of keyboard and pedals, points. and the applause indicated how thor- After giving a brief history of activities past two or three decades, oughly the audience entered into the of the institute. Mr. Prescott discussed views have given place to a spirit of the works presented. The items a number of examples of recent re-knowledge of the brave and were: - "Grand Jeu" (Du Mage), "Pre-search in the domain of soil fertility. Varie" Provencal (Debussy), "Victimae Pascale" cata," from "Fifth Symphony" (Widor) conduct field demonstrations and trials in 'De Lia" (Debussy).

ADV. 21-6-29 STATE PARLIAMENT

HOUSE OF ASSEMBLY

Cost of Education McIntosh), in reply to Mr. Anthony sary. For grass in the wetter areas, and said the cost per head of population for vines and citrus fruits there was much tain and France in their successful for primary, secondary, and technical scope for its use.

education, the University, the Public In dealing with reactions of the soil of Russia? Yet there are few chap
1910, 21 1/8 in 1920, and 51 16/2 in the reaction of the question where 1910. 21 1/8 in 1920, and £1 16/2 inther lime should be used to increase soil ters in history more enthralling than appointed by the Federal Government to for the year ended June 30 last examinate the said, a matter in those which have to do with the part assist in establishing a national university

NEWS 20-6-29 AGRICULTURAL RESEARCH

Work at Waite Institute

Recent developments in the work Waite Agricultural Institute was

giving the increased yields gained by affairs, which Sir Archibald deplores, presented with proper restraint. using different quantities of manures affairs, which Sir Archibald deplores, presented with proper restraint. on crops were shown.

Problems of nitrogen were dealt with countrymen at least. How many ways displayed by the popular contracte.

Owing to the amount of fallowing done countrymen at least. How many Each item on the programme was received in the wheat areas, nitrogen was seidom could give a connected account of Bri- with well merited applause. needed for the soil. There were, how tish foreign policy from a date so reever, certain conditions which might make it convenient to plan farm rotation where cent as the Crimean war, or could say The Minister of Education (Hon. M.by nitrogenous fertilisers would be neces why Sardinia ranged herself with Bri-

for the year ended June 30 last, ex-which there was a conflict of opinion taken by the amounts paid by the amounts paid by the amount of build-tralia. Experiments at the institute had history during comparatively recent two days.

Out of them will probably come recomshown that where the rainfall was less years.

ADV. 21-6-29

the effect of nickel was harmful, and itenclosed herewith.—I am, &c.,

appeared that the nickel consumed was almost completely excreted, and that Secretary, Cancer Research Committee, not the Empire alone whose people and students of the planoforte at the Ender would benefit by the machinery for Hall on Friday when Mr. Williams almost completely excreted, and that all the Empire alone whose people and students of the planoforte at the Ender might be taken daily without ill effect. Particulars of rules and regulations would benefit by the machinery for Hall on Friday, when Mr. William Silver The nickel content of an edible oil was to which all candidates must subscribe the promotion of a knowledge of inhowever, insignificant and usually The prize and medal has been international affairs and the correction
series of recitals of works comamounted to only a milligram per kilostituted by the grand council of the
ternational affairs and the correction
prised in grades IV. and I. of the Unigram, which was much less than that British Empire Cancer Campaign withof misstatements affecting other coun-versity Musical Examination Board's selecgram, which was much less than that British Empire Cancer Campaign withof misstatements affecting other counfound in foods cooked in nickel vessels the object of promoting investigations tries, which Sir Archibald proposes the metal was found present inition the nature, causes, prevention, and treatment of cancer. A medal (suitshould be set in motion. There is should be set in motion. There is tures of the Conservatorium, and the probably not a country which has not students to follow and appreciate the seventhed with an honorarium of £500, suffered from unfounded allegations ral points of meritorious interpretation. Mr. Catalytic methods had resulted in information of persons who shall submit the essay British Empire has special ground for send up writted to tainable from natural petroleums by embodying the results of original information of complaint, for it is difficult to recall should prove of distinct description. These recitals tainable from natural petroleums by entodaying the results of original incracking the heavy oil residues. This vestigations which, in the opinion of complaint, for it is difficult to recall should prove of distinct advantage to
the heavy the judges, appointed by the granda time when it has not been a victim were: Grade 4. "Frude" (he works played "cracking" the heavy oil residues. This the judges, appointed by the granda time when it has not been a victim were:—Grade 4—"Etude" (Bertini). "Aria" process consisted in heating the heavy council of the British Empire Cancer of misrepresentation from one country (Handel), "Sonatina" (Diabelli), "Bagatelle" (Beethoven), "Etude" No. 4 (Heller), "Preward the early diagnosis of cancer. Inor another. Indeed, there have been lude in D" No. 4 (Bach), "Minuet in O" sulted in failure until the beginning of Campaign. The honorarium may be this century. Then it was recognised awarded either to an individual or to stance of misrepresentation the relation

that the inhibition of the catalytica group of person who jointly submit of the motherland to the Dominions, presence of traces of arsenic in the The dissertations shall be printed or which were said to be longing for retion of the activity of a catalyst was results of original investigations carried A bureau or institute of informa- Miss Sylvia Whitington had sufficient referred to as poisoning, and it was one out, either wholly or in part, during tion would provide means by which reason for gratification at the success of of the chief points demanding con-sideration in all cases of catalysis which the year in which the prize shall besuch mendacious assertions might be string Quartet, under her leadership, on depended on absorption at the surface awarded. The dissertations shall not authoritatively and at once refuted. Monday night. A large and responsive audiin but shall be distinguished by a motto The harm they may do was particularly ence and an artistic performance should hydrogen, the platinum catalyst was sealed envelope containing the name poisoned and could no longer bring sealed envelope containing the name in India, for he found the White about the union of the hydrogen with on the outside the motto and device Australia policy distants and interest of the particularly encourage the combination to continue their educational efforts. The Elder Hall about the union of the hydrogen with on the outside the motto and device Australia policy distants and interest of the combination to continue their educational efforts. The Elder Hall is perhaps not ideally suited for chamber oxygen. In the hydrogenation of oils corresponding with that on the disserthe nickel might be poisoned by small tation. The dissertations shall be ad-liberate campaign of hatred against the pleasing, and the opportunity afforded the traces of sulphur compounds in various dressed to the honorary secretary colored people of that dependency, cal writing as Beethoven's "Quartet in F." forms which resulted principally from British Empire Cancer Campaign. 19 which the policy is so far from being opus 18, given with careful attention to the protein material present as im-Berkeley-street. London, W.1, and be which the policy is so far from being opus 18, given with careful attention to the protein material present as im-Berkeley-street. London, W.1, and be that it really seeks to obviate the fric-shading and finished detail was greatly ap-

The prize dissertation (withtion that might arise (and has arisen preciated. Miss Whitington took the first was shown that it was merely a case all accompanying illustrations and pre-in parts of Africa) through enforced violin in this number, Miss Kathleen Meeof preferential absorption of the poison parations) shall become the property of association of races of different blood gan the second violin, Miss Clarice Gmeiner on the surface of the catalyst. In the the British Empire Cancer Campaign, association of faces of the viola, and Mr. Harold Parsons the cases mentioned the arsenic or carbon and shall be published at their discre- and color. The scandalous perversions violoncello. The instruments played tomonoxide was absorbed by the platinum tion under the name of truth, which Sir Archibald wishes gether sympathetically, and an admirable Dissertations not approved to see refuted with the help of the reacting molecules was partly or award on the specified subject, be re-anyone in search of information, music and the suggestive figures made a completely saturated with the absorbed turned together with the unopened en- are no more extravagant than those good impression, which was deepened by velopes containing the names and ad-prevailing at the expense of Britain for ing "Adagio" movement, with its wealth dresses of the authors. The award of centuries past. But to be fair, it must of beauty and poetical suggestiveness was the Garton prize and medal will be. the Garton prize and medal will be be owned that other countries have the interpretation of the "Scherzo-Allegro" been travestied no less wantonly among roused the audience to enthusiasm. British people. Long after the Battle commendable insight, and the distinguishof Waterloo Bonaparte was caricatured ing features of each phase were adequately in England as a sort of incredible mon-performance of the "Trio in E. ster, who only wanted certain appendages to make him easily recognisable as a near relation of the Evil One. of Thackeray alludes to the distorted view tered into its meaning sympathetically. the in his "Roundabout Papers," and helps binations and the technical and artistic subject of an address by Prof. J. A. Prest to disabuse the minds of his country- introduced. powers of the performer made each item Roseworthy College last night. Lantern men of other absurd superstitions. Throughout the grace with which the thoroughly enjoyable. Throughout the slides were used to illustrate various Since his time, especially during the ideas are developed. In the "Scherzo," playing was distinguished by masterly points. lude" (Clerambault), "Fugue on the His first illustration was the effect French people, who have shown them- work. Kyrie" (Couperin)—early composers, of a manganese deficiency on oats, which selves as gallant on the battlefield as displaying executive skill and artistic feel-"Alleluia" (Dubois), "The Little Shep- more than 30 years, and at other parts they are courteous in social relations. piano part throughout was impressive. herd"—from the "Children's Corner"— of the State. As a result of investi- It is disheartening to learn from Sir Miss Hilda Gill, whose presence on the (Debussy), "Victimae Pascale" and Concert platform is always and the concer Terribilis est" (Lucien Mawet), "Allegro C S. Piper, of the institute, the Depart- Archibald's remarks that the same en-enthusiasm, charmed the audience with Vivace." "Allegro Cantabile," and "Toc-more than been able to lightenment as to British traits does bracket of songs. modern composers. Miss Phyllis Webb the cure of grey speck disease by the not exist in France, or even among the sented with appropriate effect and a full gave a pleasing rendering of the air, use of manganese salts.

English-speaking race on the other side "For Music" (Franz), a dainty and fanciThe amount of work done at the inof the Atlantic All this more price ful little work, was invested with poetic stitute by the use of modern statistical of the Atlantic. All this may arise feeling. "Lullaby" (Brahms) made a deinvestigations was his next point. Tables from lack of education in foreign lightful contribution, and the quiet

say, on the wisdom or otherwise of the Locarno Treaty, or venture an opinion on any other question of foreign policy affecting the Empire.

ADV. 22-6-29 PIANOFORTE RECITAL

APV 25-6-29

CHAMBER MUSIC CONCERT

of balance of tone was maintained throughout the graceful work. In the opening to "Allegro con brio" the brightness of the Molto" section, and the final "Allegro" emphasised. Not less creditable was the Flat," opus 4 (Brahms) for (Mr. J. Horner), violin piano, Horner), violin Whitington) and violoncello (Mr. Parsons). The work, like the Beethoven number, represents a high form of musical art, and each of the performers en-Very pleasing were the effects produced in the "Andante," with which the trio is The figures were clearly uttered and the beautiful tone was in insular present, contains some suggestion of hunting scenes, the instruments surmounted better all difficulties with apparent ease. pleasing atmosphere pervaded the "Adagio" in which the violoncello did excellent The final phase-"Allegro con ing of which they took full advantage. The

her refined interpretation of an excellent Each item was preful little work, was invested with poetic beauty of the melodious composition was and desires to see corrected among his were sung with the culture and finish al-

REG. 25-6-29

National Research University Discussed

than 25 inches, the necessity for liming the one is really competent to pronounce, research university, Without such knowledge no mendations for the beginning of a