

### Queen's Students Pay Only One-Third Of What It Costs to Educate Them

Principal R. Bruce Taylor Deals With Relation Between The University And The State—Eastern Ontario Owes A Great Deal To Queen's.

Principal R. Bruce Taylor, in his address at Convocation on Wednesday afternoon at Queen's University, took occasion to show the relation between the state and the university and pointed out some of the inner workings in connection with the financing of a university, principally Queen's. The speaker told of the great strides that had been made in university affairs from its early times until the present day necessarily increasing the cost of maintaining such an institution. His address was very enlightening in regard to university matters and he gave facts and figures which were hitherto unknown to a large majority of students within the university and outsiders as well.

Before proceeding on with his address proper, Principal Taylor heartily congratulated those students who were present for the purpose of securing their degrees of graduation. He pointed out how this day of graduation had been looked forward to by them and he also referred to the watchful waiting of the parents of these students who had striven for this day in the lives of their girls and boys. He congratulated these students and expressed the hope that this day of graduation for them would be the beginning of their happiness which would continue throughout their lives.

#### Growth of Queen's.

Principal Taylor traced the history of the university going back eighty years to the time when it was started. He stated that for half a century it had existed on private funds but to-day it was a national institution and a force in the national life of the country, far surpassing what it was intended it should be. The university at the present time had a strong staff. There was no deficit but it had reached a point where if further expansion was to be undertaken, more help would be required. He stated that the city was small, the university was large and if the expansion was to take place in the matter of a greater influx of students, much of the personal touch between staff and students, that is in existence at the present time, would be lost.

#### Cannot Help Further.

Dr. Taylor said that Premier Ferguson had said that the province was so burdened by debts of war and debts since the war that the utmost economy in all departments was absolutely necessary, this of course including the department of education. This was a necessity. If the finances of the province were to be harbored and protected it was necessary that some legislation with regard to the finances should be put into force.

In the old days of education there was the family or parish system of paying for education. The idea of state support in education was not as old as many people thought.

Principal Taylor made reference to the little schools in the isolated sections where there were few pupils but which were costing considerable money. The primary and secondary education throughout the province was practically free. In the higher education there was support from the state. He traced the establishment of the Canadian colleges.

#### Queen's Revenue.

"The student in Queen's is paying about one-third of the cost of his education," said Principal Taylor. The university's revenue was \$480,000. The state had given \$210,000 but the state went farther than that. The principal showed what had been done in helping out in the building of Queen's university. Ontario Hall was given by the Whitney government, Fleming and Gordon halls were also given by the Ontario government as well as \$150,000 for the library and \$480,000 for the hospital. There was no reason why the state should not help, declared Principal Taylor, for it certainly benefited from the output of the university.

Principal Taylor touched on the many students that do not complete their university education after the first or second year, thus necessitating a great deal of expense and large laboratories and staff, which are much too large for those who continue.

#### Advance in Curriculum.

It costs Ontario \$500 for every university student, the principal stated, or \$130 per year per student. He asked the question: "Why should this cost be so high?" He went on to point out that since the war everything had been high but the principal reason was in the great advances that had been made. He compared the present day courses with those of forty years ago, pointing out the great differences that existed. There were vast differences in the curriculum of arts and medicine. In the latter such great advances had been made that medical science had undergone a wonderful change. He told how the faculty of applied science had been started, a group of men here having put in \$30,000, the government having granted \$5,000. That was the first starter of that faculty.

Now the problem was an economic one as well as one of advancement. The standards of living had been raised and the increased costs since the war had been felt. There was a large problem to face, and while there was no need for a panic, Dr. Taylor said, there was need for earnest consideration by the trustees and he felt sure that the proper attention that was due would be given. He pointed out that Eastern Ontario had gained great opportunities that it never would have had had it not been for Queen's, and he felt that this would be considered in the solving of the problems of this institution of learning.

Pierre Cyrene, aged eighty-five, was burned to death when Conrad R. Leroux's house, where he was living, at St. Maurice, Champlain county, Quebec, was destroyed by fire.

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### GET UP AND GET BUSY IT'S WASHDAY



### IF HUBBY HAD TO DO THE WASHING—

THE CHANCES are that if hubby was invited to do the family washing or to stick around while it was being done he would say, "Let George do it." Our advice is to let one of our electric washing machines take the soil out of the garments and the toll out of your wife's life. Let us demonstrate their worthiness and guarantee.

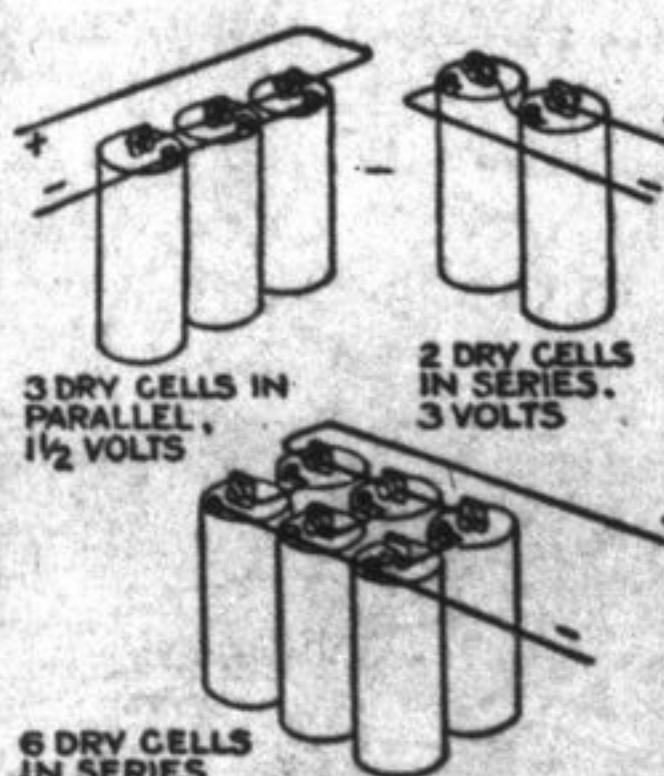
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## What the World Is Doing

As Seen by Popular Mechanics Magazine

#### Connecting Radio Dry Cell Batteries

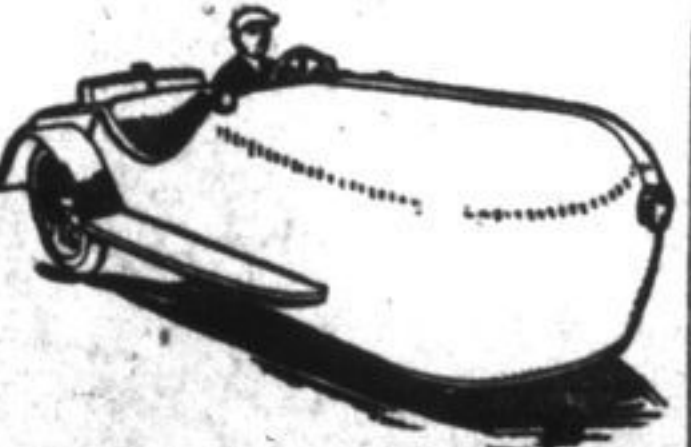
There are several tubes on the market of different voltages, and the novice is often perplexed just how to connect the dry cells to suit the tubes. The WD-11 and 12 tubes are 1 1/2-volt tubes, and operate on one or more dry cells, one cell being usually provided for each tube. If two or more cells are used for more than one tube, they are connected in parallel, as shown in Fig. 1. No matter how many dry cells are connected together in this way, the total voltage always remains 1 1/2. For 3-volt tubes, as UV-109 and C-292, the required voltage is obtained by connecting two dry cells in series, as shown in Fig. 2. With this arrangement the positive of one cell is connected to the negative of the other. When two or more 3-volt tubes are used, it is good practice to use two dry cells for each tube, connecting them in series-parallel, as shown in Fig. 3. This gives 3 volts



and a maximum amperage. A higher voltage than that for which a tube is designed should never be used, and the filaments should never be burned brighter than needed for good results.

#### Automobiles Built in Queer Shapes to Save Space and Weight

Bodies of automobiles are being built in fantastic designs to accommodate developments of machinery parts and to give the cars artistic lines. One such



model exhibited in Berlin consists of a sedan on which all corners have been eliminated, producing a flat appearance when seen from a short distance. It is claimed this type is suitable for advertising purposes since a great amount of space is provided for signs and painted inscriptions. Another light-weight vehicle has been constructed with an enormous hood which causes the car to resemble a whale. Only three wheels are provided, a single one being under the forward part of the machine. Steering is done in the usual way.

#### Removing Paint and Varnish

The most efficient method of removing old paint and varnish is to burn the surface with a painter's blowtorch. The heat causes the film to soften and it can then be scraped off easily. This method, however, can only be used on flat surfaces, and where a slight scorching of the wood is not objectionable. A hot solution of caustic soda (concentrated lye), 1 lb. to the gallon of water, is also efficient. This should be applied with a fiber (not bristle) brush until the paint softens. This solution is very hard on the hands, and also raises the grain of the wood, and surfaces treated with it should be thoroughly washed and dried before repainting.

#### A Good Drying Oil

To 1/2 gal. of water add 1 lb. of sugar occasionally, and when the lead is dissolved add 2 qt. of water; then filter the solution and add 3 gal. of raw linseed oil. Stir in 1 lb. of powdered litharge, shake it often and then let it stand for several days. The oil found on top will be the drying oil, and it must be poured off into another vessel. The liquid is clear and bright and dries in about 24 hours.

#### Whitewashing Trees

When trees in an orchard are whitewashed it looks much better to have the sprayed parts all of uniform height. This can be done by using a strip of oilcloth, about 12 in. wide and long enough to encircle the largest trees. One end of the strip is tacked to the end of a pole as shown in the drawing, the pole being 2 1/2



Mrs. Harriet GGrant Passes. Mrs. Harriet Charlotte Grant, widow of the late Zimer Seeley, Iroquois, died very suddenly of a stroke on Saturday, at the age of eighty-two years and ten months. Her husband predeceased her twelve years ago. She leaves five sons, Alex, Harry and Carlus in the mercantile business in Iroquois, Almon of Savannah, N.Y., and Herbert of Peterboro, and seven grandchildren and three great-grandchildren. Mrs. Seeley came to Iroquois with her husband and family in 1875 from Antwerp, N.Y.

Rev. O. C. Elliott Resigns. Rev. O. C. Elliott, pastor of Danforth avenue Baptist church, Toronto, for over six years, a native of Kingston, has tendered his resignation, asking to be relieved of his work on May 31st next. Mr. Elliott is president of the Baptist Ministerial Association in Toronto.

Rentrew is making an endeavor to form a golf club.

The farm buildings with live stock belonging to W. H. McHugh, Trafalgar township, were destroyed by fire. He had practically sold his farm, and the purchaser was to have completed the deal today. It was cancelled.

Jack Easton, Chatham, was sentenced to ten days in jail, a fine, and his license suspended for six months, on a charge of reckless driving. A. Gedet, Portuguese, is in Moscow on walking rip around the world.

A little higher in price, but— what a wonderful difference a few cents make



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