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VOL. 69

FREDERICTON, N. B., MONDAY, FEBRUARY 27th, 1950.

NO. 16

AULDER GEROW IS APPOINTED PRESIDENT OF DOMINION Y. P. C. FEDERATION

Dr. R. C. Colwell is Fifth Speaker in Anniversary Lecture Series

On Monday afternoon, the fifth speaker partaking in the 150th anniversary celebrations at U. N. B., Dr. R. C. Colwell, addressed the student body in the Memorial Hall.

Dr. Colwell, a distinguished U. N. B. graduate, is at present head of the physics department at West Virginia University. During the first world war he was director of the Radio Laboratory for the Armed Forces in West Virginia and in the recent war he served there as director of the Physics Laboratory.

The subject of Dr. Colwell's address was "Radar and its Applications" and he began by describing the development of radar from the first wireless signal sent across the Atlantic by Marconi in 1900 to the present day achievements. He spoke of the Kennelly-Heaviside layer which explained the curvature of wireless waves around the earth's surface and then went on to show the development made by Breit and Gews in 1926, who by means of measuring the difference in the path between the sky and ground pulses of a radio wave were enabled to calculate the height of the reflecting layer. Robertson-Watt continued this process and his experiments in reflecting short radio pulses from aeroplanes led to the use of radio direction finding (radar) during the last war.

In giving the general principles of radar Dr. Colwell drew an analogy to a short sound or shout being reflected from a cliff as an echo. By knowing the speed of sound it is possible to calculate the distance of the cliff. In radar the sound is replaced by a series of short radio pulses and the listener is a radio receiving set attached to an oscilloscope.

Although by 1939 the requirements necessary to use radar in warfare had been met, great developments and improvements were made during the war. Dr. M. L. E. Oliphant's invention of the magnetron being perhaps the greatest. In speaking of this invention Dr. Colwell said that "the magnetron although not as spectacular as the atomic bomb was most directly connected with our final victory."

Dr. Colwell then went on to show the great value of radar to allies during the war. He said that it was invaluable during The Battle of Britain and that "it was no exaggeration to say that the invention saved England from invasion."

Radar, too, helped to crush the submarine menace to allied shipping and enabled the hunt of the German 'Bismarck' to be brought to a successful conclusion.

Radar, however, did not lose its value with the cessation of hostilities for its uses in peace were numerous. Not only has it added to the supply of sea and air travel in foggy weather but it has also helped fishermen in locating shoals of fish. Although its application to meteorology was limited Dr. Colwell indicated that further development was being made and that the information obtained would be useful both scientifically and commercially.

NOTICE

If you have not turned in your year book write-up you should do so at once. They should be submitted to Editor Dick Armstrong to avoid delay of this year's book.

STANDARD TIME?



For the benefit of those who tell time from the residence clock, the above photo is presented, so that they may clip it and carry in on a fob for use at times when they are unable to see the face of the actual chronometer. It has been pointed out that the photo is correct as often as the clock is (twice a day) and is therefore valuable in itself as a time-piece. Other suggested uses are as a possible reminder of a date to be kept at eleven-thirty some time (with regard to this use, readers are reminded that photos of the other face are available in case your date is at ten minutes to four) or as an intrinsically valuable addition to a family album to remind one of the wonderful days on the campus when time stood still. With interest in flag-pole sitting as a competitive campus sport beginning to rise, it has been pointed out that it may be possible to secure the services of some of the participants as winders of the clock, should they elect to perch atop the pole in front of the residence. Meanwhile, dinnertime will remain as far away as ever.

S.R.C. Met Monday; Constitution Amended

The S.R.C. last night passed a special badminton budget of \$31.50 which will enable the badminton team to further participate in the Maritime Intercollegiate Tournament at Mount Allison. The Council also passed Ron Stevenson's three Constitutional amendments. As a result, the elections for A.A.A. executive, S.R.C. executive and class executives and the NFCUS chairman will be held on March 29th. A Board of Public Relations was established on a trial basis for the rest of the year. Ralph Hay as director will supervise the publicity for all sports activities providing more and complete coverage by the press and radio. Jim Henderson was granted the photo concession at the Con, March 10th.

Dramatic Society To Present "Golden Boy"

The drama, "Golden Boy" will be presented by the Dramatic Society on March 20th, 21st, and 22nd. The production is in the hands of Professor Ralph Hicklin of the English Department.

Leading roles will be played by Bob Lata of Saint John, who has had considerable experience in Shakespearian productions at the Saint John Vocational School and Jean Pearson also of Saint John. George Andrews will also play a major role.

There will be a supporting cast of about five players. Officials report good progress in rehearsals thus far and it is hoped that the play will meet with the same success as Dramatic Society productions in other years.

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S. R. C. Considered Plebiscite Budgets I. U. S. at Meeting Held Last Wednesday Night

Supplementary budgets, the plebiscite on foot-ball, and the NFCUS-I.U.S. question were discussed and dispensed with at last Wednesday night's session of the Student's Representative Council. Each item received more than ample attention as sharply divided opinion resulted in endless debate and close votes. The meeting was generally dull, and poorly attended.

Basketball manager Reginald Ballance ran into some stiff reproves as he submitted a slim \$123 budget for a home-and-home series with the Halifax Shearwater team. His statement that the opposition

to be provided by the crack navy team was needed by the home team to break their three week lay-off was considered by the council members but Stan Jobb recalled the rider placed on the motion suspending the athletic awards and banquet. These had been awarded priority in the matter of dispensing with surplus funds which the council might accumulate.

Biddiscombe twice moved, twice withdrew his motion that the amount be granted as the debate saw-sawed and finally the money was voted. Not, however, before the question of awards had been discussed at length and then tabled until next week. Also tabled was a supplementary Badminton budget which would provide for the team staying an extra night at the MIAU meet at Mt. A.

Council Member, Campus Figure now Heads Young Tories in Canada

Aulder Gerow, Student's Representative Council member and well known campus personality was recently elected President of the Federation of Young Progressive Conservatives in Canada. Mr. Gerow has been active with youth political clubs in the Province and Dominion for some years. His new position constitutes a further advance in status for Mr. Gerow and reflects favourably on the student body as a whole.

PRESIDENT



AULDER GEROW

Hike In Tuition Rumored Unofficially

It has been learned from unofficial sources that there will be an increase in tuition fees at this University. It is not known when these will become effective. It has been pointed out that the deficit under which the University is operating would tend to make the rumored increase quite a possible one.

Figures mentioned in connection with the rise in tuition costs showed a substantial hike over old figures in some departments. A definite statement is not as yet forthcoming from University officials.

Four delegates from the University of New Brunswick attended the annual meeting of the Progressive Conservative Student Federation on February 18, 19. For the first time the Federation met in London, Ontario.

The delegates from U.N.B. were, Virginia S. Bliss, Aulder L. Gerow, retiring Federation Secretary-Treasurer, Alfred J. Brooks, U.N.B. Y.P.C. President, and Stephen N. Branch.

The Convention got under way on Saturday morning, Feb. 18. The delegates were entertained for dinner by Hon. George A. Drew, National P. C. Leader. That afternoon Mr. Drew addressed the group at the Hotel London.

Mr. Drew emphasized that Ottawa was failing to take effective steps against the Communists. He urged that groups be organized in the Universities to discuss domestic and world problems.

"May I suggest that in the universities you set up groups to examine questions and make recommendations."

Mr. Drew said that one of the ways to best hold Communism in check was for Canadians to become well acquainted with their country. Training people to express opinions on problems of the day can best be done at the universities, Mr. Drew said. Constitutional development of the country is one of the most vital questions today, he told the delegates. "We're in a battle of slogans today", he said. He referred to the highest organized treachery of all time, the Communist manifesto. "If we are to meet these slogans and break them down we must have equally understandable presentations of our case."

Mr. Ian Campbell, (Carleton College, Ottawa,) retiring President of the Federation, thanked Col. Drew. Ian said that under Mr. Drew's leadership of the Progressive Conservative Party, youth had been given greater opportunity for activity. Some 80 delegates from 14 Canadian Universities heard Mr. Drew's address. The Convention adjourned until the evening session. At the evening gathering the Resolutions Committee approved a number of resolutions dealing with vital Canadian problems. It was urged by the U.N.B. delegation that the Industrial Development Bank make available a larger proportion of loans to Maritime industry. The Resolution received unanimous support.

Bill Bartlett, the President of the U.W.O. Y.P.C. Club, was host at the Convention, the fourth session to date, of the Federation.

The University of New Brunswick received a great honour in the election of Aulder Gerow, as National Federation President for 1950-51. Aulder expressed to the delegates his appreciation and a vote of thanks was extended to Ian Campbell.

(Continued on page eight)

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