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Music for Dancing in the Cafe
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**INSTITUTE COMMITTEE ELECTS
CHAIRMAN OF SUB-COMMITTEES**

A special meeting of the Institute Committee, the final one this term, was called last week for the purpose of filling the remaining vacancies in the sub-committees and electing chairmen for the Point System committee, the Walker Memorial committee, the Activities committee, the Bulletin Board committee, and the All Technology Smoker committee.
E. W. Freeman '20 and L. W. Conant '21 were appointed to serve on the Point System committee for the fall term.
The following men were appointed chairmen of committees for next year: W. R. McKenney '19, Point System committee; K. S. M. Davidson '20, Walker Memorial committee; C. B. Stanwood '20, Activities committee; M. B. Knox '20, Bulletin Board committee; S. H. Wells '20, All Technology Smoker committee.

RADIUM PRODUCTION INCREASES

Radium is a very rare element; yet not so scarce as it was before its production was begun in America. In 1908 there was probably no more than one gram in existence throughout the entire world. Now there is probably a total of a hundred and twenty grams of radium element. Of this amount thirty grams have been prepared in the Radium Research Laboratory of the Standard Chemical Company during the five years that production has been under way there. Other production in the United States, including the radium produced by the United States Bureau of Mines for the National Radium Institute, probably totals fifteen grams making the United States the producer to date of over a third of the world's radium supply. The present producing capacity of the Standard Chemical Company is 1.5 grams of radium per month.
Most of this radium is produced from carnotite, an ore which occurs most extensively in the United States, the most notable deposits being those of southwestern Colorado and southeastern Utah. Radium was first extracted by Mme. Currie from pitchblend found in St. Joachimsthal, Bohemia.
The chief use for radium up to the present has been in the treatment of cancer and other malignant growths. For this purpose the radium is used not as a medicine, but rather as a physical agent for the production of its characteristic rays which have the

power of destroying cancerous tissue. Another important use of radium, quite as important as its use in medicine, is in the production of the permanently luminous compounds. This luminous material finds a wide range of use in all forms of dials and indicators that must be seen in the darkness. This has found extensive use during the war in airplane and gun instruments. The cost of radium being prohibitive, and its use in medicine being more important, mesothorium is now recommended to be used in place of radium in luminous paints. The half life period of mesothorium is only 5.5 years, while that of radium is 1,700 years.
Besides its practical uses radium and its properties have been of inestimable value in the development of the modern theories of matter. The chemistry of radium and other radio-active elements has been the cause of the research into the constitution of the atom. Radio-activity has undoubtedly given rise to the electronic theory of matter.

CLASS OF '07 HOLDS BANQUET

Last Saturday night the class of 1907 gave a banquet at the Boston City Club in honor of three of its members who served in the Great War, Lieut. Col. H. C. Wonsom, Maj. J. C. Leavell, and Maj. Alexander Macomber.
Colonel Wonsom has just returned from Washington, where he has been stationed since the declaration of war in 1917. His work on the Council of National Defense won him a commission as Lieutenant-Colonel, in which capacity he served as divisional quartermaster of the 19th Division, until the signing of the armistice.
Maj. Leavell, who will be remembered as "Stud" Leavell of Texas, gave an interesting talk on his experiences overseas, where he served as Captain, and later as Major, with the 312th Engineers, 91st Division. Maj. Leavell has just recently been awarded the Distinguished Service Cross and the Croix de Guerre.
Maj. Macomber told of his experiences in organizing and training two hundred and fifty men for a searchlight division, which he commanded in America, and later in France. The importance of the work of this branch of the service in combating the night air raids was brought out in a very interesting manner.
Plans were discussed for taking part in the coming Commencement and in all a very pleasant evening was spent. Among those present were Lieut. Col. H. C. Wonsom, Maj. J. C. Leavell, Maj. Alexander Macomber, Chas. E. Allen, Gilvert Small, Ostar Starkweather, E. H. Squire, E. E. Turkington, Prescott R. Nichols, E. A. Miner, and Bryant Nichols.

**AMERICAN LEGION ISSUES
BOOKLET FOR SERVICE MEN**

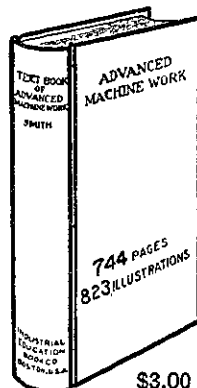
There is a big demand on the part of ex-service men for the "American Legion Catechism," just issued, telling all about the new organization which will hold its first National convention at Minneapolis next November 11, the first anniversary of the signing of the armistice.
The little book has been prepared to give the facts about the Legion for the benefit of the veterans of the Army and Navy and Marine Corps of the United States. The information is put in the form of questions and answers, the most important of which follow:
What is the American Legion?
It is the organization of the American veterans of the World War. It is non-partisan and non-political. It is a civilian organization—not military or militaristic. It makes no distinctions of rank and no distinctions between overseas men and men who did not get overseas.
Who is Eligible?
Any soldier, sailor or marine who served honorably between April 6, 1917, and November 11, 1918.
Are Women Eligible?
Yes, those who were regularly enlisted or commissioned in the army, navy or Marine Corps.



**PRESIDENT'S SPEECH HEARD
300 MILES AWAY BY WIRELESS**

The wireless telephone was used for the first time for the purpose of transmitting a presidential speech when President Wilson delivered his Independence Day address on board the U. S. S. George Washington, while the ship was in mid-ocean en route for New York. The president delivered his speech at 3 p.m. from the cross deck to the men of the army and navy on board the vessel, who were assembled on the main deck below him. By the side of the president was the wireless transmitter which carried his words through the air, so that as he spoke to the soldiers and sailors his words could be heard on the decks of all transports within a radius of 300 miles.

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