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WINTER INFORMAL SET DEC. 12

Liberal Art For National Defense Is Vital — Clarke

Dean Interviewed Over WJJD Friday

Dr. Clarence L. Clarke, Dean of the Liberal Arts division, was interviewed by Mrs. F. Russell Lyon, state president of the Illinois Congress of Parents and Teachers, over station WJJD at 9:30 A.M. last Friday, November 14. The topic discussed was "Education, Our First Line of Defense."

When asked by Mrs. Lyon if he felt that the basis of education had shifted appreciably since the days of the "founding fathers" of Illinois Tech, Dean Clarke replied that, "What has changed are the incidentals of life that contribute profoundly to the sociological, political and material development of the human race."

Dean Clarke also stated that he believes "That in time of peace, plowshares will evolve from swords, as has always been the case. When peace comes, I expect education will come back on its main line, which is to produce men and women the President mentions as having 'broad understanding and special aptitudes'. That we will very badly need the best type of these students trained in the traditional disciplines of the liberal arts is evident."

Increasing Technology

Dr. Clarke explained that although "there is a seeming stampede away from the liberal arts and pure sciences toward the technological skills and applied sciences, . . . a more conservative attitude on the part of schools and students is reasonable."

Interviews on the problems of education are held each week over station WJJD and are sponsored by the Illinois Congress of Parents and Teachers. Dean Clarke is the second member of the Illinois Tech faculty to be interrogated. President Heald, who was the first, spoke before this body last January.

ILLINOIS TECH CHOSEN TO PRESENT NEW COURSE IN MICRO-TECHNIQUES FOR SECOND SEMESTER EE SENIORS

Course In Electronics Arranged For Seminars

Illinois Institute of Technology has been chosen by the Federal Security Agency of the U. S. Office of Education as one of the forty engineering schools to present a special newly-developed course in micro-wave techniques for the second semester senior curriculum in electrical engineering, President Henry T. Heald announced last week.

An outgrowth of the latest research in electronic laboratories, the applications of micro-waves in airplane detection equipment and many industrial processes have become increasingly important recently, particularly because of national defense. This is the first time such a course has ever been offered in undergraduate engineering curricula due to its high-

ly specialized and graduate level nature.

Dr. Robert I. Sarbacher, Illinois Tech professor of radio engineering, will return on November 18 from MIT, where he has spent the last three weeks directing a conference attended by representatives from many other technical schools planning the new course. Particularly well qualified to assume direction of micro-wave techniques here, Dr. Sarbacher was at Harvard university all summer until October 27 giving essentially the same program to engineers of the U. S. Signal Corps. It is thought that seniors who have this training can reasonably expect the Signal Corps to be much interested in them and probably to offer them commissions as second lieutenants if they are physically and otherwise suitable. Regardless of this, how-

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ALVINO REY And KING SISTERS

Social Fraternities At Lewis Form Board Of Fraternity Coordination

Social fraternities at the Liberal Arts Campus of IIT have recently cooperated in forming a Board of Fraternity Coordination. This action was approved at the Student Council meeting November 11, at 9:00 A.M. The president and an elected member from each of the fraternities, Daedalians, Gamma Rho, and Theta Beta Alpha compose this board, which will be run similarly to the Pan-Hellenic Council of the Sororities. One elected member of this group, is to be the representative of the board in the Student Council.

WSE Members Hear Professor Kanne On New Atom-Smasher

The Western Society of Engineers presented Professor W. R. Kanne of the IIT physics department, at its meeting on Friday, November 14.

Dr. Kanne spoke about his research project, nuclear physics, which is known to the non-scientific world as atom smashing. Dr. Kanne commenced his lecture by giving a few facts concerning the historical development of this field. He stated that in 1895-1896 nuclear physics began with the discovery of the X-ray, and that shortly afterwards the Curies' historic work with the uranium series brought the subject of radioactivity out into the open. He continued by telling about the wonderful work done in the early part of 1910 by Rutherford who used the radio-active elements as his bombarding force, and that the discovery of the protons issuance from bombarded atoms took place in 1919.

The professor then went on to describe the various types of high voltage atom smashers, and in particular the machine to be used at IIT.

The applications of atom tracers which are produced by atom-smashers, have become increasingly important in the fields of chemistry, biology and medicine, not to mention physics.

After the meeting, about 25 students, at the invitation of Dr. Kanne, visited the atom-smasher laboratory to learn more of the intricate details of the machine.

All-School Dance To Be Held In Grand Ballroom Of Sherman

Music By Alvino Rey And King Sisters

Proceeds Will Go To Fieldhouse Fund

In the musical world, the names of Alvino Rey and the King Sisters are considered synonymous with the best that is offered to the dancing and listening public. Since leaving Horace Heidt two years ago to organize his own band, Alvino has risen steadily to his present position—one of the leading orchestras of the nation.

Illinois Tech will play host to this musical aggregation on December 12, at the Sherman hotel when the first annual IIT Winter Informal will be held.

One of the principal attractions of the Alvino Rey appearance will be the vocalizing of his featured singers, the King Sisters! Having just completed a moving picture for the RKO studios, Rey and the King Sisters are now engaged at the Palladium ballroom in Hollywood, California.

The distinctive style of the Rey 14-piece orchestra is immediately recognizable by radio listeners; his two guitars, one of which is the twin keyboard electric guitar he developed during his employment with Horace Heidt, form a smooth scintillating background for his interesting arrangements. The name "King Sisters" is usually spoken of in the same breath with "Alvino Rey and his orchestra," as a result of their successful association. These same King Sisters, as the Techmen will soon find out, are as easy on the eyes as they are on the ears. Alyce, Donna, Louise, and Yvonne do admirable service to the vocals as a quartet and also appear separately for the solo numbers. Another featured vocalist is "Skeets" Herfurt, formerly one of Tommy Dorsey's most valued saxophone artists.

Although the orchestra has been in existence just two years, it has (continued on page two)

Memorial Services To Be Held At Lewis For Late Director Carman

Memorial services for George Noble Carman, director emeritus of Lewis, who died June 24, 1941, will be held in the Lewis Institute Auditorium, Sunday November 30, at which time all alumni and friends are invited to attend.

Director Carman, a graduate of the University of Michigan, was noted not for his forty years at Lewis but rather for the accomplishments he brought about by his untiring energy. Mr. Carman was one of the founders of the North Central Association and was very active in the founding of our own Lewis Institute. During the year prior to his appointment as Director of Lewis he toured the country surveying the types of schools then in existence in order that he might formulate a school that would not only meet

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Coming as the first of the newly-planned series of Illinois Tech all-school dances, the "Illinois Tech Winter Informal," featuring Alvino Rey and his orchestra and the Four King Sisters, will be held Friday, Dec. 12 in the Grand Ballroom of the Sherman Hotel. Because of the fact that this dance is being held to secure funds for the Student Fieldhouse Fund and because of the fine reputation of the orchestra, it is expected that over one thousand couples will be attracted to the affair. This will be the largest crowd ever accommodated at any Illinois Tech social function. Provision has already been made at the Sherman for 1500 couples.

The choice of Alvino Rey's orchestra was made in line with the new dance program committee's policy of hiring only "name" bands. The Grand Ballroom of the Sherman was chosen in order to accommodate the huge number of couples expected to attend.

Since the dance will be held primarily for the Fieldhouse Fund, it is likely that Illinois Tech's alumni will turn out with the undergraduates in great numbers to make the dance both a financial and a social success. Anyone who attends or has attended Illinois Tech realizes the great need here for a fieldhouse, and most of these people will be more than willing to attend a function which will directly aid in its establishment.

It has been announced that all the facilities of the Grand Ballroom will be at the disposal of those attending the dance. Besides the spacious lounges directly off the ballroom, table seating facilities for 800 people will be available in conjunction with the bar.

Priced at \$2.25, bids for the affair are now on sale. The bid is of the French fold type, lettered in scarlet on a glossy, gray paper. A large red "I" is displayed on the bid envelope.

The dance committee is composed of the social chairmen of each of the classes on both the south and the west campus, with George H. Pedersen, south campus senior social chairman, acting in the capacity of committee chairman. Other members of the committee are Robert Creagan, William Dunlap, Bert Goldman, Marilyn Johler, Raymond Kaeding, James McNeerney, Eileen Robinson, Sylvia Weislo and Bruce Worcester.

Because of the high cost of the Winter Informal, bids will have to be turned over quickly and in great quantity to assure a financial success. Other dances just as large and possibly larger are expected to be scheduled as a part of the dance program as soon as the success of this first dance has been well established.