Baker Memorial Issue Friday

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NSA May Start Savings-Loan Plan At Institute
Object Is To Provide Funds at Low Interest So Students Can Travel

Formation at the Institute of a new type of savings-loan plan for the encouragement of overseas and U. S. travel is at present under the consideration of the National Student Association here. The contemplation has reached a point where it is necessary to get some measure of student reaction to such a plan and the NSA hopes that all students for staff; either personally interested in the plan, or merely having a constructive opinion, will contact that organization.

On the University of Colorado, the savings-loan plan was successfully instituted at that school. The main points of the plan are as follows:

1. Students, staff, or other regular members of the Technology family who desire an immediate return on their savings may place about 20 monthly deposits of $5.00, or about $120.00, in the form of a so-called revolving fund. In general the earlier a student joins the plan the more advantage he might make; thus a freshman who might possibly be able to make only over 40 deposits, Sophomores possible 36, etc.

2. Deposits would be invested, by the administration, in securities. The interest will presumably be returned at any time an individual wishes to drop the plan.

3. At the end of a stipulated period—normally during a summer vacation, or at graduation—any participant would be able to apply for a loan matching the total of his deposits. These loans would probably have to be supported by notes backed by the Institute until such time as the fund built up by deposits is increased.

4. Interest on the loans would be low, possibly in the 5% range. This is a goal of the project; the plan would be to continually lower the interest rate as the surplus expands.

Gain Possibilities

5. In the initial years of the plan some profit, the Institute probably will have to be set off repayment of the

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Baker Campaign Starts With Dinner For Fund Members

Inaugurating the Baker Memorial Campaign, which officially opens December 4, will be a kick-off dinner to be held Wednesday, December 3, in Morss Hall at 7:00 P.M. General Division Teams, Captains, Contact Men, and other campaign personnel will be present.

Among the invited guests are Dr. Charles H. Ellis, Dr. Arthur A. Stenstrum, Dean D. L. F. F. Wroth, Dr. T. H. L. Martin, Dean Henry R. Platt, Dean Howard Wilbur, Dr. John R. Lounsbury, Professor Ivan J. Gatje, and Mr. Morgan Baker, brother of the late Dean Baker.

Gerald S. Burns '41, and Frederick W. Wells '51, Co-directors of the campaign, also announced the addition of Donald R. Walker O as a Division Captain.

The Co-directors also announced the following partial list of Team Captains:


During the two weeks, December 4 through December 18, every member of the M.I.T. student body will be visited personally, Day a representative of the Baker Memorial Committee.

New Cloud Chamber Made By Brookhaven Scientists

A cloud chamber of improved usefulness to atomic research, but simple enough to be built at home, was described at the American Physical Society meetings at the University of Chicago last December by four scientists from Brookhaven National Laboratory, Upton, New York.

To operate any cloud chamber, the experimenter makes a saturated atmosphere. Atomic particles released are sufficiently small to see, but as they dart through the atmosphere in the chamber, they leave a trail of small droplets which are clearly visible. These trails are used to study the paths of particles passing through air, etc.

In the new cloud chamber, the tracks visually recorded are due to the fact that the chamber can be made from a special holding device, a fog machine, that soaks up vapor from the air and changes it into a cloud, thereby preventing the vapor from condensing. Also, the chamber may be made in the laboratory in the absence of any fog machine. This makes it possible to experiment under conditions of even greater purity.

Diffusion Process

In the new cloud chamber, the tracks diffuse continuously from a warm upper surface to a cold lower one through air or another gas. At some point between the two surfaces, the track leaves a trail of droplets which are sufficiently cool to produce supercondensation. Because vapor is continually diffusing, the chamber will be constantly changing. The tracks continuously. This continuity of operation makes cloud chambers useful in studying in a short time, and with out interruption, many types of interactions of atomic particles, according to the Columbia.

The cloud, therefore, is particularly useful in studying interactions caused by radiation from cosmic rays, from the sun, or from other high energy machines. They point out also, since it is simple to move and operate without interruption, it is useful in the classroom.

Musical Clubs Present Christmas Concert Dec. 8

Presented by the combined musical clubs, the annual Christmas Concert, entitled "Project Under for Air Force," will be held in the Tercentenary Theatre on December 8. Project Under for Air Force is one of the many projects of the M.I.T. Society, the object of which is to provide music for the armed services in the United States. The project is supported by the National Society for Music in the Armed Forces, which is a subsidiary organization of the National Society for Music in the Armed Forces, which is a subsidiary organization of the National Recording Society. The concert will feature the combined chorus of the M.I.T. musical clubs, the M.I.T. Symphony Orchestra, and the M.I.T. Glee Club. The concert will be held in Tercentenary Theatre at 8:00 p.m.

The program will include a variety of vocal and instrumental music, ranging from classical to contemporary. The concert will be conducted by the conductor of the M.I.T. Symphony Orchestra, who will also conduct the M.I.T. Glee Club. The program will include works by such composers as Beethoven, Mozart, and Brahms, as well as contemporary works by living composers. The concert will be presented as a fundraiser for the M.I.T. Society, and members of the M.I.T. community are encouraged to attend.

The concert will be held in Tercentenary Theatre at 8:00 p.m. on December 8. Tickets will be sold at the door for $5.00 per person.

Pres. Killian To Speak At Next LSC Forum

For the first time, the topic of a forum to be held on Tuesday, December 7, will be intercollegiate teams along the lines of the LSC. This forum will be held in the Kent Student Center, and will feature prominent figures from intercollegiate teams, including the President of the National College, the President of the National Society for Music in the Armed Forces, and the President of the M.I.T. Society. The forum will be moderated by Mr. David Weber, who is a well-known his- torian, and will feature a panel of experts from various fields of knowledge.

The forum will be held in the Kent Student Center at 8:00 p.m. on Tuesday, December 7. Tickets will be sold at the door for $5.00 per person.

The speakers will discuss the aims of educational institutions and attempt to evaluate the current educational system. Problems concerning the meaning of freedom, the task of education in a free society, and the relationship between education and society will be taken up. The forum will be moderated by Mr. David Weber, who is a well-known his- torian.

The forum will be held in the Kent Student Center at 8:00 p.m. on Tuesday, December 7. Tickets will be sold at the door for $5.00 per person.

This year's Tech's-A-Poplpin Weekend will feature eleven activities ranging from basketball to beauty contests. The weekend will occupy the week- end of Friday and Saturday, December 2 and 3, and will include such events as the Tech's-A-Popolpin Queen contest, the Tech's-A-Popolpin Intercollegiate teams along with musical and dramatic entertainment, basketball, beauty contests, and a complete floor show for the T. F. Memorial.

Several major changes have been made since last year's weekend. Major efforts have been directed toward scheduling teams which will assure scurrup and lively sports contests in all games; the Tech's-A-Popolpin Queen contest has been thoroughly reviewed; the Tech's-A-Popolpin Queen contest has been changed so that events will be held Sunday; the Tech's-A-Popolpin Queen contest has been changed to a more public event for the weekend. The overall schedule has been changed to give potential participants a variety of events readily available to more people.

Basketball Followed by Dance

Opening event for T. F. will be a basketball game which will come to be played at Harvard. Following the victory contest the Tech's-A-Popolpin Queen contest will be held. The Tech's-A-Popolpin Queen contest will be held Sunday at 7:00 p.m. in Plum Hall. Thompson entrance. The Tech's-A-Popolpin Queen contest will be held Sunday at 7:00 p.m. in Plum Hall. For the Beauty Contest, a pickup game of basketball will be played, and various divisions of the Kent orchestra which will give a musical interpretation of the concert.