Chem Department changes freshman, required subjects

(This is the third in a series of articles about the curriculum of MIT.)

By Paul Johnston

Next year the freshman chemistry course, Chemical Principles 1, 5.01, will undergo several changes, especially in its content. Also it will no longer require a laboratory, and the two unit lab that is given with the course this year will be dropped. The course will still be twelve units, with a 5.02 distribution.

Current changes in the course will include dropping of most of the equilibrium material and the thermodynamics that is being taught this year. The major reason for this is to reduce the need for a mathematical background more extensive than the average freshman is likely to possess.

Structure to be taught

Next year the course will contain more material on structure and bonding than was taught this year, including a discussion of energy levels, degrees of freedom and so on, and will cover much of the material on identities that is presently being taught in 5.02. The current 5.02, Chemical Principles II, will not be taught next year. The reason for this is that it is a course not required by the Chemistry Department, and therefore the material taught in it cannot be built on in subsequent departmental courses. To replace 5.02, a geared down version of Physical Chemistry I, 5.41, will be offered. The course will be departmental requirement, and (Please turn to Page 6)

Stripes in Building 7

The newly formed art Acquisition Committee has bought, as its first purchase, a painting by Gene Davis called "Klondike Calendar." The painting is presently on display in the lobby of Building 7, where it will hang until a permanent place can be found for it. The painting was shown at an exhibition in the Hayden Gallery from January 30 to February 4.

The Acquisition Committee is chaired by Associate Professor Eugene V. Anderson, of the Department of Architecture, and consists of two members appointed by the Art Committee and two members appointed by the Chairman of the MIT Faculty Committee on the Visual Arts. Funds for the acquisition of paintings are provided by donations made by alumni and friends.

Acrilic on canvas

"Klondike Calendar," done in 1965, is a 9\3/4\times11\1/2" acrylic on canvas painting. The entire painting consists of a large number of thin vertical stripes in many colors. Since the stripes extend off the canvas at the top and bottom, optical attention is mainly limited to horizontal movement of the eye. Since the physiology of the eye permits sharp focus only on one color at a time, the pattern of narrow stripes causes considerable optical stress, resulting in an impression of vibration which is imposed on the eye by the speed imposed on the eye movement by the thinness of the stripes.

Intuitive process

The artist, Davis, is most readily identified with the Washington School which has developed the rich color possibilities of the acrylics. He prefers, however, to work in oil, with a medium, acrylic paint on unstretched canvases, is shown here with the Washington color paints, but also with less closely related contemporaries. Davis begins a canvas with a rather random selection of colors, allowing the first colors to influence the choice of others. On the whole, he moves forward with increasing definiteness and color determination.

A work of art

"Klondike Calendar," has been accepted by Mr. Lee A. Röker, 21, of Seaside, New Jersey. The sculpture, called "Ceratops," is displayed in the Hayden Library court. The steel was donated by Hayden Library, and was done in 1952.

Oscar Davis, who created and exhibited the painting, has taught glass windows, tapestries and lithographs. Since 1940 he has devoted himself entirely to sculpture.

Ocean Engineering program to be offered fall '67 term

A new graduate program in Ocean Engineering will be offered by MIT this fall in the fall. The announcement was made by Dr. Alfred H. Kell, head of the Department of Naval Architecture and Marine Engineering.

Following by just a few weeks in the Student Center all evening. The Brothers Four will give two performances Friday night. MIT's announcement of plans for a joint graduate program in Oceanography with the Woods Hole Oceanographic Institution, this latest announcement is further evidence that MIT intends to become a major sparring ground for the professional resources and the technology needed to implement the nation's push to develop its ocean resources.

Vehicles and floats

Ocean Engineering will emphasize the principles governing the conceptual formulation, design, construction and operation of vehicles and stationary floating structures and their integration into systems for the exploration and conduct of ocean research, and the recovery of objects from the sea.

The Ocean Engineering program will lead to the graduate degrees of Master of Science and Doctor of Science (or Philosophy) in Ocean Engineering.

Professor Kell and Professor Philip Mendel, registration officer for the new program, will teach an undergraduate course together next fall on "Hydrospace Vehicles and Their Use.

The Brothers Four featured Spring Weekend plans revealed

By Bob Mazur

The Brothers Four will highlight this spring's Spring Weekend as anunciiny, by the Flaming Committee Sunday night. The schedule of events begins, as usual, Friday evening, resumes Saturday morning, and continues far into the night. This year, however, there will be some rather unusual innovations.

First on the agenda will be performances by The Brothers Four, in concert, at nine o'clock and ten-thirty, in Besong Auditorium. There will be simultaneous activities to suit a variety of tastes in the Student Center and the Commons.

The theme of the activities program will be "An International Festival." The Lobdell will be the scene of a "German Oktoberfest" with appropriate refreshments. Chris Powers and orchestra will set the tone for the "English Ballroom" at the Sala de Puerto Rico, for those who fancy slow dancing. Moving to the loquacious colliders will be a "Spanish Room" with live Flamenco guitarist, and a "Chinese Festival," featuring Oriental Go-Go girls.

Amusement park

Saturday afternoon, ten-thirty to eleven, the park will be opened. Tickets will be sold from eleven-thirty to twelve-thirty, or until the one thousand憑 tickets have been sold. A "Klondike Calendar," the record for the first performance, is displayed in the Building 7 lobby.

The acquisition committee is currently being taught in 5.02. The reason for this is that it is a course not required by the Chemistry Department, and therefore the material taught in it cannot be built on in subsequent departmental courses. To replace 5.02, a geared down version of Physical Chemistry I, 5.41, will be offered. The course will be departmental requirement, and (Please turn to Page 6)