Chilean Senate halts Frei lecture

By Mark Balonis

The Karl Taylor Compton Lecture, which was to have been given Friday by President Edward F. Mansfield of the Republic of Chile, has been cancelled due to the inability of President Frei to leave his country.

Senator intervenes

Acting on an obscure 1833 law for presidential approval for all presidential trips abroad, the Chilean Senate voted to deny permission to make his first state visit to the United States. The original intent of the law was to prevent presidents from taking long European vacations, but this marks the first time that this provision has been used.

Following the Senate's decision to keep Frei in the country, Frei made an attempt to have their vote overturned in the Chamber of Deputies, where a majority vote would need it to go to the Senate for a second try. However, he was unable to change the Senate's position.

On his trip to the United States, Frei was scheduled to make stops in New York, Washington, D.C., and San Francisco before continuing on to Washington, D.C. In Washington, he had scheduled a meeting with President Lyndon Johnson on such topics as prospects for Latin-American detente, the projected integrated American peace force, streamlining of the Alliance for Progress, Latin-American integration, and reforms in the inter-American judicial system.

United Nations address

Also scheduled, President Frei's plans was a trip to New York in order to address the United Nations. From New York, he was to in continue to Boston as the guest of President Nathan Pusey of Harvard University and President Howard Johnson. President Frei's schedule, according to Chilean sources, was to be on "The Changing Balance Between Economic Development and Social Progress."

New board takes

The Tech posts

By Paul Johnston

The Board of Directors for Volume 87 of The Tech was elected at a pre-intermission meeting of the old Board. The new Board officially assumes its duties with this issue of the newspaper.

The new Board of Directors takes over as Chairman of the Board. Guille was Business Manager for Volume 86. The Editor will be Mike Rodburg '68 of AEP. Mike served on Volume 86 as Features Editor. Managing Editors for the new volume will be John Calvin '88 of TDC and Tom Thomas '89 of SAE. Tom was Sports Editor of Volume 86.

Other Board Members for the new volume will be: John Calvin '88 of SAE, who will be Business Manager; Mark was Chairman, and Mark was a Manager.

Electron microscope lab set up

By Cary Bullock

An electron microscope Facility and adjoining Instrument Laboratory have been established in the Department of Chemical Engineering at MIT. The objective is to increase the scope and depth of research and teaching carried out by department faculty and students.

Two electron microscopes included

The facility includes two electron microscopes, photo enlarging equipment, and a certain amount of sample preparation equipment. The Instrument Laboratory lends a variety of equipment for analysis and measurements, which include instruments for gas and liquid chromatography, spectroscopy, light-scattering photometry, adsorption phenomena, and differential temperature analysis. The electron microscopes in the facility are of the transmission type, one is capable of magnification ranging from 3,000 to 250,000, the other is capable of 100 to 20,000 diameters in magnification range. The two microscopes magnify only up to 1,500 diameters.

Greater magnification possible

The photo enlarging equipment makes it possible to enlarge photographic images from the microscopes up to 10 times their original size, using the larger microscope at maximum magnification. Furthermore, the microscopes may be used in transmission electron microscopy (TEM).

(A new Page 2)

By Sue Decres

Dr. Robert J. Van de Graaff, inventor of the Van de Graaff particle accelerator, died in the Massachusetts General Hospital on Saturday, January 23, at the age of 65.

In 1929 he designed the accelerator, the first of its kind, for the University of Michigan. This was the first time that this power was used in the United States. The accelerator was completed in 1931.

Under Van de Graaff's leadership, the machine grew larger and more complex, acquiring many of the fundamental principles of physics research, industry, and medicine.

Inventor Van de Graaff dies;

had developed particle accelerator

Dr. Charles H. Townes

assumes presidency of

Am. Phys. Society

Dr. Charles H. Townes, Institute Professor of Physics at MIT, has been elected President of the American Physical Society for the 1967-68 academic year. Mr. Carlisle was a leader in the field of quantum electronics, and is internationally known for his research on the theory and development of masers and microwave physics, and for his work on the theory and development of masers and lasers. Mr. Carlisle received his Bachelor's degree in Physics and Modern Languages from Furman University, graduating summa cum laude in the age of 18. He took his M.S. at Duke, and received his doctorate from Caltech in 1958.

Dr. Robert J. Van de Graaff;

had developed particle accelerator

Three in top five

Math team 2nd in Putnam

MIT placed second in the twenty-seventh annual William Lowell Putnam Mathematical Competition November 19, 1966. Three MIT teams were among the top five ranking individuals in the contest, which was sponsored by the Mathematical Association of America.

The Putnam Competition is the major intercollegiate contest in this academic subject. All colleges and universities in the United States and Canada are invited to participate; this year 250 students registered, and a total of 15,600 entered the examination.

Math second place

The five winning intercollegiate teams were, in order: (1) Harvard University; (2) MIT; (3) the University of Chicago; (4) the University of California at Berkeley; and (5) Princeton University. MIT has placed second in the competition six times; this was Harvard's first victory. MIT team members were: Robert C. Chang '69, Gerald S. Gris '69, and Richard H. Rollie '67.

In individual competition the top five were in alphabetical order: Marshall W. Back (Harvard); Richard M. Eat. Masse (the University of Santa Clara); Richard C. Schroeppel '68, and Robert S. Wilson '68. Gris was in the next ten ranking individuals.

Alpha Phi Omega

installs officers for spring term

The following Brothers of Alpha Phi Omega have been elected by the Chapter to serve as officers for the Spring Term: Robert Young '69, Vice Presi- dent; Ronald L. Brown '69, Secretary; Randy Van Dyke '69, Treasurer; and Mark R. Mooney '69, Recording Secretary.

Also elected were: Publicity Director, Arthur Polenkov '68; Publication Editor, Michael E. Ming '69; Treasuror, Timothy Ram- sey '68; Corresponding Secretary, Jonathan Long '69; and Board of Directors, Larry Vieland '69 and Historian, Robert Boyd '67.

The retiring officers of Alpha Phi Omega are: President Mike Loze '68, Vice President John! Krin '69, Secretary Mike Loze '68, and Historian, Robert Boyd '67.

Faculty Reserve appoints Johnson

Boston director


The Federal Reserve Bank of Boston has nine directors to represent the general public.

Forty years of service

Students' friend Carlisle dies after long illness

William H. Carlisle, Jr., 69, who had devoted his efforts for nearly forty years to helping students at the Massachusetts Institute of Technology, died Monday, Janu- ary 23, in Mount Auburn Hos- pital after a long illness.

After attending MIT from 1924 to 1928, Mr. Carlisle became a Janitor at the MIT chapter and then a chief editor officer, for the New England- Nova Scotia Province. He became dean of the Provincial College of the fraternity last fall.

Mr. Carlisle was a leader in the Alpha Phi Omega at MIT and was charter advisor for the group. He was a great master of the Richard C. Macalster Lodge of Masons and former dis- trict deputy commander of the fraternity.

Announced by Johnson

Mr. Carlisle was given the Gar- thard Award by President Howard W. Johnson in recognition of his outstanding service to the fraternity.

By Paul Johnston

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Toni Lara '89 of SAE, who will be Business Manager; Mark was Chairman, and Mark was a Manager.

Professor Allen B. Douglas supervises the use of one of two electron microscopes in the Department of Chemical Engineering.