Leonard Bernstein, who is serving this year as an Institute Lecturer, is participating — though so far only occasionally — in a faculty seminar on music, linguistics and aesthetics.

By Michael Garry

Leonard Bernstein, the internationally renowned composer, conductor, and sage of music, is a visiting lecturer this year, participating in an interdisciplinary faculty seminar on music, linguistics and aesthetics. According to one participant in the seminar, David Epstein, Professor of Music and conductor of the MIT Symphony Orchestra, Bernstein is taking part in the seminar, which meets at least two-hourly and will continue to the end of the academic year, "to the extent that his busy schedule allows." So far he has attended the first meeting in September, has been out of the country since then, and will return sometime in December.

The purpose of the seminar, Epstein said, is to bring together the different perspectives of linguists, philosophers, psychologists, biologists, computer scientists, and musicians like Bernstein in a concerted effort to study style and structure in music and eventually other arts.

Epstein described some of the specific work being done in the seminar. Linguists, for example, are engaged in the study of the structure of musical symbols. Psychologists and computer scientists are examining the perceptual processes of persons who reproduce or listen to music. And the process by which music arouses human sensations is being probed by biologists.

Bernstein, who gave a series of lectures on musical structure last year at Harvard University, has not yet indicated just what he intends to do in the seminar, said another participant, Professor of Psychology Irving Singer. Although he might present a paper or lead a discussion, it is "in the seminar under any special obligation." It is hoped, Epstein added, that as a result of the seminar "new courses involving this approach to the study of music will emerge." According to Singer, the seminar reprents MIT's ideal of bringing together scientists of different disciplines in a disciplined, interdisciplinary work of an innovative sort.

Comparative Blood Drive Results, 1972-74

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Blood Drive nets 1473 pints

By Stephen Blatt

The fall 1974 Blood Drive netted 1473 pints of blood, exceeding last year's total by about 50, according to Wendy Goodman, 76, TCA blood drive chairman.

Two fraternities, Pi Kappa Sigma and Beta Theta Pi, each won a choice of beers for having the largest percentages of donors from among the fraternitymen. The 26 bottles of beer will be redeemed for 19 pints of blood while 19 pints were given by the 27 MIT fraternity brothers.

Burton 3, which delivered 27 pints from 49 residents, and linker 6 (from 60 donors) were the dormitory winners, and will also receive a keg of beer.

"The drive went really well," said Goodman. "It was very smooth, with no big crowds except Friday afternoons."

This year, for the first time, two preliminary gimmicks, the distribution of pizza discount coupons and the beer contest, were used to motivate donors. The beer contest was apparently more effective, Goodman said, noting that several living groups "that never really have blood in the past year gave harder to reach 100%.

"Pi Lambda Phi gave the most blood among the fraternitymen, 31 pints, while Baker House, as always, led the dorms with 99 pints.

MIT contributes about 40 percent of the blood collected in Cambridge and over two percent of the statewide total. In 1973, according to CAES, total blood donors in Massachusetts as number of pints donated yearly. (See table at bottom of page 5 for blood drive results of the past two years.)

MIT appraising Iran programs

By Gerald Radack

Several proposed programs for training scientists and engineers from the Middle nation of Iran to help modernize that country are being studied by the MIT School of Engineering.

At least four or five separate conversations among MIT faculty and Iranian officials are currently underway, according to Associate Dean for Engineering W. E. Epstein. These proposals, many of which were initiated by Iranian educators, include plans for expansion of educational facilities in Iran, as well as programs that would bring Iranian students to MIT to study.

The MIT Center for Advanced Engineering Study (CAES), Bruce said, has been asked to assist the Iranians with the expansion of Ayra-Mehr University of Tehran, the capital of Iran. Ayra-Mehr is planning to add a new campus that will increase its enrollment from 600 to 6,000 students.

MIT's involvement in the project would take place in both countries, according to CAES Assistant Director Paul E. Brown '56. "They will send some people over here as visiting engineers or visiting faculty members, and some of our faculty will visit Iran," Brown explained.

Iranian students who are being trained for faculty positions at the new university will also be sent to MIT, Brown added. These students would be admitted on the same basis as any other foreign students, he said.

Another program involves a group of private citizens in Iran who would like to build an Iranian science university patterned after MIT. MIT's contribution to their effort, Brown said, would be to "help in developing goals and objectives." Professor of Nuclear Engineering Edward A. Brown '48 is discussing with the Iranians "a proposal that asks MIT to train a group of Iranians through the master's level in nuclear engineering, according to Bruce. "The Iranians have brought five nuclear reactors to be used for power generation, and need some experts who know how to operate them," Bruce explained.

Bruce believes that MIT will benefit from these programs with Iran. "As we work with other foreign students and institutions, educational programs to meet their needs, we gain insights into programs that we could adopt to meet our own needs. It gives us another way to evaluate our own programs."
Pivren: welfare system getting too restrictive

By Greg Erwin Lembke

"The managers of the American public welfare system are attempting to bring that system back to the restrictive 'status quo' of the 1940s," declared a Boston University political science professor before a seminar audience last Thursday.

Dr. Frances Fox Piven, co-author of the book "Regulating the Poor -- The Function of Public Welfare" and a member of the national governing board of the American Civil Liberties Union, aired her views on the American public welfare system in one of a continuing series of seminars on "Merit and Equality in a Just Society."

"There are those who feel that the American welfare system is not very interesting, or not very important." Piven noted, "These are dangerous compliances," she added, stressing the importance of the topic, "for millions of Americans depend on welfare for their very subsistence." In discussing the current status of the welfare system, Piven said that its position as an issue is still one of relative importance. She pointed to the dominance of "the welfare issue" in pre-election political propaganda, and to the recent defeat of John Gilligan, who as governor of Ohio had instituted a variety of far-reaching social-welfare programs, as substantiation of this assertion.

Piven further asserted that this interest and the "renewed interest" in welfare issues suggest that the "hierarchy of welfare management" is preparing to return the system to a more restrictive status, similar to that in existence prior to the reforms of the mid and late 1960's.

Piven said that the restrictive status was being re-instilled through the use of a variety of tactics, including the following: (Please turn to page 6)

Is your crowd sloe-ing up?

If you and your friends are thirsty for something new, hurry up and slope down with De Kuyper's Sloe Gin. De Kuyper's Sloe Gin is a different, delicious liqueur, flavored just sweet enough by the sloe berry. You can take it on the rocks or mixed with just about anything. For delicious proof, see the recipes below. De Kuyper's Sloe Gin -- "sloe" with an "e", not a "w."

De Kuyper Sloe Gin.

Abominable Sloeman

Sloe Ball
Combine 1 1/4 oz. De Kuyper Sloe Gin, orange juice and the juice of 1/4 lime. Pour over ice cubes in tall glass. Stir well. Garnish with lime wedge.

Sloe Joe
Shake 2 oz. De Kuyper Sloe Gin and 1 oz. of lemon juice with ice. Strain into cocktail glass or pour over rocks. Garnish with cherry.

Sloe Gin. © 1974 Parent Products U.S.A. All De Kuyper Sloe Gin New York, N.Y.
Garry Winograd, right, a photographer of considerable repute, showed slides of his recent work to an overflow crowd in 8-150 last Thursday night. Winograd, who teaches photography at the University of Texas in Austin has put on numerous exhibitions and photography shows around the U.S. and has been composing a photographic record of the news media. In the background is Ted Papageorge, instructor in the MIT creative photography lab.

**NOTES**


2. MIT-Harvard Arms Control Seminar will discuss "The Growing Power of the Military". At Harvard Center for International Affairs, Rm 1, 6 Divinity Ave, Cambridge, Wednesday.


4. A talk on "My Fair Lady" is being presented by the MIT Musical Theatre Guild on November 14, 15, and 16, in the Junior Arts Center auditorium on the Wellesley campus. Witten in French in 1954 and now translated into English, the musical takes the audience through the historical questions of Time, Space, and the human predicament. The dramatic production represents a change from the usual cast of four men and a boy. Sponsored by the Wellesley College Theatre, the play is directed by G. Hope Costie, Wellesley Classical 1997. Tickets are available at the door for $5.00. Admission for high school students is 90 cents.

5. "My Fair Lady" is being presented by the MIT Musical Theatre Guild on November 14, 15, and 16, by Kenne Audiences Admission: $2.50 with MIT ID, otherwise $3.50. For reservations call 253-6294.

6. Preliminary schedules for final exams for the fall term have been issued. All complaints about scheduling and examinations must be made by Wednesday, November 20, and final at the Schedules Office, 1-99238.

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**Eureka! An Illustrated History of Inventions from the Wheel to the Computer**

**edited by Edward DeBono**

It not only tells the story of the great inventions and inventors, but views them in the setting of their time, considering their effect on the life of man, and answers such questions as "Where did the idea come from?" and "Why should it come just then?" Sometimes there was a false start just successful enough to encourage development along a different path. Edison had an organized, well-equipped laboratory; Cockerall worked out the principles of the hovercraft on a kitchen table.
By Storm Kaufman

Incom is back. After six years of ironic obscurity, the Incom committee (abbreviated Incom in this life so that it may be distinguished from the original Incom, which resurfaced as a group under the aegis of the always defunct General Association) has been resurrected.

UAP Steve Wallman apparently made the decision to resurrect Incom based primarily on the need to replace the 1969 constitution. The GA was unable to form the restructing group due to the inactivity of the student body, which is more likely to be detrimental to democracy than the maximum percentage increase to the Consumer Price Index. This rise indicates that MIT's employees should bear a larger share of the burden of student lobbying groups. However, the decision to resurrect Incom based on the Incom name, one of the many instances of selecting the most unhelpful name for a project, is not likely to make the Institute's life any easier.

Wallman is better than the revival of this sometimes vindictive committee. He has smartly chosen Jack VanWerkom '75 and IFC chairman Peter Mancuso for the committee. These two are well-versed in the workings of the student body and have a genuine interest in the student's welfare. Unfortunately, Wallman is not able to select Jack VanWerkom '75 and IFC chairman Peter Mancuso, who are both admirable representatives of the student body. It is more likely that the decision to resurrect Incom was made based on the abilities of the committee members, rather than on their genuine interest in the student's welfare.

The feeling seems to be that Incom can and probably will be very useful as a tool for analyzing the Institute's financial policies. However, many employees have complained about the Institute's financial policies, which are often arbitrary and based on the personal whims of individual supervisors. These complaints are valid, and it is important to clarify the feelings of employees who have concerns about the Institute's financial policies.

Wallman, in attempting to rebut the last stated wishes of the Institute's employees, has said that the decision to resurrect Incom was made based on the abilities of the committee members, rather than on their genuine interest in the student's welfare. However, the decision to resurrect Incom based on the Incom name, one of the many instances of selecting the most unhelpful name for a project, is not likely to make the Institute's life any easier.

In conclusion, it is important to consider the Institute's financial policies and the role of the student body in the decision-making process. The student body should be consulted about the Institute's financial policies, and the Institute should consider the concerns of employees who have complaints about the policies. This will ensure that the Institute's financial policies are based on the needs of the student body, rather than on the whims of individual supervisors.

References

A note on the Institute of Management

Incom's return to MIT provides an opportunity to discuss the Institute of Management (IOM) and its role in the Institute. The IOM is a graduate program that offers a degree in business administration. It has been criticized for its emphasis on theoretical over practical issues. However, this criticism is based on a misunderstanding of the IOM's goals.

The IOM is not intended to be a practical program, but rather to provide a foundation for practical work. The program is designed to give students a solid understanding of the business world, which they can then apply to practical situations. This approach is consistent with the Institute's goal of preparing students for leadership roles in business.

In conclusion, the Institute of Management is an important program that provides a solid foundation for practical work. It is important to consider the strengths and weaknesses of the program, and to ensure that it is meeting the needs of the student body.
The "division concept" is a new one at MIT, stated Theodore Martin, Professor of Mathematics and Director of DSRE. Martin explained that the Division, like any other department at MIT, can make faculty appointments and offer courses of instruction but it cannot admit a student or have degree majors. Admission to the program requires admission to a graduate department through the normal MIT procedures.

Most of the Division's faculty have joint appointments and the Policy Committee consists of both DSRE and non-DSRE faculty. This is intentional and looked upon with "great favor" because it keeps the Division and the MIT faculty in close contact, Martin said.

Funds for the Division came from sources including the Green Foundation, the Lilly Foundation, the National Institute of Health, the Ford Foundation, and the National Science Foundation.

On July 1, 1973, the Division became an official entity. It was not until the fall semester of 1973, however, that classes and real operation started.

The Division's Executive Committee is appointed by the Director, Theodore Martin, and its functions are to form policy, to review policy formed by the Director, and to monitor the function of the Division. The Policy Committee reviews the "overall direction" of DSRE and makes up of faculty members from other departments at MIT.

HARVARD UNIVERSITY GRADUATE SCHOOL OF DESIGN OPEN HOUSE

To introduce undergraduates in the Greater Boston area to the programs of: ARCHITECTURE AND REGIONAL PLANNING LANDSCAPE ARCHITECTURE

November 13 3:30-5:30pm
3:30-4:10 Tours of Gund Hall and discussions with students.
4:10-4:30 Meeting with Dean and department representatives.
4:30-5:30 Refreshments and discussions with faculty and students.

At 5:30, architect Elliot Noyes, a GSD alumnus, will present an illustrated talk on his recent work.

Gund Hall, corner of Cambridge and Quincy Streets near Harvard Yard, Cambridge.
Welfare restrictive

(Continued from page 2)
1) The "socialization" of people, so that they don't apply for welfare. Piven pointed out that "Americans have always believed that poverty was a sign of failure," adding that "self-reliance and work" have always been seen as high American ideals.
2) Setting up maximum earning levels, and depriving those welfare recipients who exceed them of their payments.
3) Tolerating of high levels of unemployment and underemployment.
4) Requiring prospective welfare recipients to forfeit some of their basic rights in order to be eligible for aid. Piven said these "restrictive laws" include "the right to privacy." She said that this last right is presently in jeopardy and a system is being set up under which the welfare system moving away from some New York offices begin forming at 3 am.
5) Withholding information on welfare eligibility requirements from the public.
6) Involving applicants in bureaucratic red tape: lengthening lines and night searches.
7) The imposition of restrictive laws such as "the infamous residence laws." Piven sees these practices, in one form or another, being re-invented throughout much of the country.
"Basically," she concluded, "I see the American welfare system moving away from something vaguely designed to help people, and toward a system based on a design in deterrence."
Coast Guard outscores soccer

(Continued from page 8) Marotta '75 put in a penalty kick at 32:45 after Coast Guard's goalie was called for charging while trying to make a save, an unusual infraction. One minute later, Paul Culfer '77, a player who has been very little action this year but got a chance to play because of the plethora of injuries, scored his first varsity goal on a pass from Lampsis Petalas '77, as the Coast Guard defense broke down.

The two quick goals lined up the Engineers, who finally began to play aggressive soccer. MIT got a bad break with six minutes left when a blatant trip to Erel Unsal '75 in the penalty area was not called by the officials. At any rate, though, the MIT effort was too little too late, as the Greeks closed out the game and the season on the short end of a 6-3 score.

Reserve goalie Gray Safford '75 closed out his intercollegiate career with fifteen minutes of shutout goalkeeping. Safford was not scored upon in eighty minutes of play this year. Also contributing their varsity careers were Erel Unsal, Charles Tang '75, and captain Ray Manotta, who despite very difficult circumstances, should be commended for his leadership this year. Manotta was the team's leading scorer, tallying five goals.

In trying to determine the cause of MIT's poor showing this year, a number of things are helpful. First of all, the injuries to Yoshida and Paul Fernandez '77 certainly hurt both the Engineer offensive and defensive units. Secondly, the team had lost four starters from the previous year, and forwards to move the ball. Well contained by Aero/Senior Unit Greeks to maneuver the ball out the tournament was the almost impossible. Though, as the defense tended to jump in front of the net all game in an attempt to rally his game in an attempt to rally his jumping in front of the net all game in an attempt to rally his defense. This was to no avail, though, as the defense tended to bunch together, allowing the Greeks to maneuver the ball close to the net where saves are almost impossible.

Most commendable throughout the tournament was the officiating. Doug McDermott '77, Wayne Hamburger '76, and Ed Christiansen did a great job in all seven of the hastily contested trophy games. In College action, an old football rivalry was revived on the soccer field as SAE downed FUJ, 2-1, to take the championship.

Viano Cup to Greeks

which left them in an awkward position from which to attack the Greek goal. However, several well-executed attacks were mounted by Aero/Senior House only to be stopped by the Hellenic keeper, John Petas '75, or by miskicks in front of open nets.

Boulouris and Courcius were well contained by Aero/Senior House in this game and the team had to rely on their wing backs and forwards to move the ball. This they did very well.

Colson, the Aero/Senior House goalie proved again his value to the team, diving and jumping in front of the net all game in an attempt to tally his defense. This was to no avail, though, as the defense tended to bunch together, allowing the Greeks to maneuver the ball close to the net where saves are almost impossible.

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Graduate Study at U.C.L.A.

Dean Robert S. Kinman will be at the Career Planning and Placement Office on Wednesday afternoon, November 13, to talk about graduate programs at U.C.L.A. in the arts and sciences, engineering, and management.

Students wishing to see him should schedule an appointment at the Placement Office, Room 10-140.
Hellenic rolls to soccer title

By Tom Stagliano

For the second year in a row the Hellenic Athletic Club, cleared the field past Aero/Senior House's firing Nick Wachnik '76 in the IM soccer championship game won by Hellenic, 3-0.

IM basketball results:

Chemical Engineering 33
Little Green Men 22
Corner 3' 36
Society 24
Society 'A' 29

Baker 'B' 13
Society 34
Chemical Engineering 22
Society 'A' 36
Burton 5 Smokers 'OT' 36

Baker 'B' 23
TDC 'C' 31
Baker 'B' 27
Lacrosse 24
Research Center 26
Society 19

FIU 28
TDC 'C' 27
Baker 'B' 13
Baker 'B' 14
PSK 2

Burton 5 Smokers 'A' 14
MacGregor H Turkeys 12
Zeta Phi Beta 26
Theta Xi 18
Kappa 16

MacGregor G Turkeys 27
Spanish Inquisition 16
Electronics 20
Dartmouth 24
Jack Flounry 10

Baker 'B' 14
Baker 'B' 16
Baker 'B' 20
TDC 'D' 12

Burton 5 Smokers 20
Delta Psi 18
Theta Xi 16
Kappa 10
Spanish Inquisition 20

Baker 'B' 13
FIU 17
Baker 'B' 24
Theta Xi 18
Kappa 16

Baker 'B' 13
TDC 'C' 12
Zeta Phi Beta 22
Theta Xi 18
Kappa 10

Society 34
Society 32
Society 29
Society 26
Society 24

Society 34
Society 22
Society 20
Society 18
Society 16

Society 16
Society 14
Society 12
Society 10
Society 8

Society 16
Society 14
Society 12
Society 10
Society 8

Adrian Bejan G, capitalized on a hand ball foul. Late in the second half of the Math, team, firing an outside shot from the left side of the net to the complete surprise of the Math goalie on a penalty kick for a hand ball foul. The final tally, late in the second half, resulted from a penalty kick from senior guard, Jack Flounry, who by far is the most acrobatic and dynamic soccer player to play in goal since a former Boston College keeper played for Food & Nutrition Science two years ago.

The championship game, however, featured seven minutes of Greek-dominated soccer. At the outset of each half, Hellenic scored quickly on excellent crossing passes by their right wing, Tasos Giannotas '74. The final tally, late in the second half, resulted from a penalty kick from senior guard, Jack Flounry, who by far is the most acrobatic and dynamic soccer player to play in goal since a former Boston College keeper played for Food & Nutrition Science two years ago.

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