NASA Grants 3 Million For New Space Center

Construction will begin late this year on a new Space Research Center financed primarily by a National Aeronautics and Space Administration facility grant.

President Stratton made public Saturday the agreement between himself and NASA administrator James Webb under which the Institute receives $3 million from NASA for the center. MIT will provide $1 million from the Second Century Fund to supplement this.

The center will be constructed on Vassar Street directly behind building 31. Its five stories will consist of 10,000 square feet of laboratories, offices, and classrooms. Construction will take about two years.

A director for the center has not been chosen yet. Present planning is in the hands of the Faculty Committee on Science and Engineering Connected with Outer Space, which is headed by Provost C. H. Townes. A director will probably be chosen within the next month, according to the committee, and assembly of a staff will then begin.

NASA will also augment the grant for the Center itself with increases in grants for research and fellowship which now total about $1.5 million. The increases will range from $500,000 to $1 million per year for the next two or three years.

Over 30 percent of the faculty of the Institute is presently engaged in space research, said President Stratton, with more than 140 professors from 14 departments and 4 schools represented.

A total of more than 500 people, including faculty, research assistants, and graduate students, are working in this field at MIT, he said. In 1961, 13 percent of the candidates for graduate degrees in the Institute carried out research and wrote theses in space-related fields. These figures increased in the NASA decision to grant the money.

"To serve in an extra-Institute focal point for campus-related research, Stratton said, and will permit greater interaction among the disciplines involved in the US space program," he said. "The Institute is now at a point where this new center is crucial to the appropriate development of MIT's commitment to advanced research and teaching in space-related fields."

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The Reserve Book Room in the Hayden Library will operate on the following schedule from January 9 to January 31:

Sunday-Thursday: 3 p.m. to 8:30 p.m.
Friday and Saturday: 3 p.m. to 1 a.m.
LET VITALIS KEEP YOUR HAIR NEAT ALL DAY WITHOUT GREESE!

Keep the oil in the can. In your hair, use Vitals with V-76, the greaseless grooming discovery. Fights embarrassing dandruff, prevents drossyness—keeps your hair neat all day without grease.

BUY VITALIS AT THE COOP

CLASSIFIED ADS

WILL PAY up to $1.35 for old license plates, price based on scarcity. For details, see Gwillim Low, Bens 101.

METEOROLOGY PROF. PREDICTS GOLD MERCURY HITS -3

"MIT can expect a colder winter this year with an above-average amount of snow." This forecast, now proved correct, was made by Meteorology prof. Hazel C. Willett three months ago. Sunday the temperature fell to 3 below zero.

Willett based this forecast on the level of sunspot activity and the weather patterns of the preceding months. In general, periods of low sunspot activity coincide with periods of colder-than-average weather, although the placement of lows in the 12-year sunspot cycle is important.

The rest of the winter will probably also be colder than normal, with the Boston area getting more than its share of snow. Willett also feels that the second week in February is likely to be the coldest period of the winter, although a warming trend should set in soon afterwards.

Prof. Frederick Sanders, also of the Meteorology Department, noted that the severe snowstorm which occurred on Bangor, Maine, during the holidays had the same form as the legendary Minotaur of 1888 that hit New York City. Sanders says that we were just about the only state that was missed by both storms.

Hazel To Read Poems in Library

Hazel To, who will read in the Hayden Library Lounge at 3 p.m. tomorrow, says she was 28 years old before she wrote her first poems that were "units of art." Since then she has become her own kind of poet, and writes in an age that many consider full of minor poets and poetry, praising him for setting up shop in the grand American poetic tradition.

Diddley And Zentner Featured At Weekend

(Cut from Page 1)

Diddley and Zentner will feature two of his million-selling records, "Say Man" and "Hey Bo Diddley." The committee talked with at least 50 of the 90 companies receiving the prospectus which illustrated the booklet plan. However, most of the companies preferred to advertise rather than soliciting entries. Thus, says Weitz, the booklet probably cannot be printed for a dance floor in the Cage. The dances will be held instead in the Cage. The committee is running a contest for an outstanding decoration scheme for the Armory, with a $3,000 saving in entertainment costs will be reduced by about $500 from last year's figure, according to Chairman Weitz. However, decoration expenses will be increased perhaps as much as $500. About $750 will be spent on decorating the Armory.

To raise additional funds for the Weekend, the committee planned a souvenir booklet containing an introduction to their, poems, "Poems, 1951-1961," says the committee, hopes to raise the remainder, about $6,000, through a grant from a foundation.

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Hazard To Read Poems in Library

Hazel To, who will appear here as part of the 1962-63 Poetry Series, is a New York University graduate. She spent her childhood on a farm near Bloomington, Ill. Her poetry often features themes from her boyhood. Although she is a critic and novelist, she wrote her first book, "The Last Year," at the age of 26. Critic Alton Tate pointed out that to Hazel's "Poems, 1951-1961," says she sought to be one of the best of the second half of the century. She does not have any American poet who has access to an associative imagery as rich and unpretentious as her own. Robert Hazle has recently joined the faculty of New York University as an assistant professor, having previously taught at Oregon State University.

To Study Government

MIT PLANS CONFERENCE

"Federal Government—How Much?" will be the topic of an interdisciplinary conference on federal government to be held at MIT, April 26, according to Steve Kaufman '63, chairman of the Intercollegiate Conference Steering Committee.

Fifty colleges from across the nation will send two delegates each to the conference, which is estimated to cost $10,000. To insure nationwide representation, the traveling expenses in excess of fifty dollars of the visiting delegates will be paid by the conference.

The conference will be divided into three main topics: (1) Role of Government and Maintenance of Economic Growth and Stability; (2) Role of Government in Scientific Research, Development, and Planning; and (3) Role of Government in Labor-Management Relations.

Two experts will speak on each topic. A panel group will then discuss the topic. Delegates will then split up into small discussion groups of thirty persons for further discussion.

More detailed plans for the conference will be announced soon. The general meetings of the conference will be open to all MIT students.

The cast of the conference will be partially covered by the Institute, student government, and registrar's fees. "To guarantee that we will have enough funds, the committee hopes to raise the remainder, about $6,000, through a grant from a foundation.

Salem refreshes your taste

"air-softens every puff"

Take a puff...it's Springtime! With every Salem cigarette, a soft, refreshing taste is yours. Salem's special cigarette paper breathes in fresh air...to smoke fresh and flavorful every time. Smoke refreshed...smoke Salem!

- menthol fresh - rich tobacco taste - modern filter, too

All The News That's Fit To Print — Fills A Single Nicely

Holiday season witnessed much stuffing, and not all of it in turkeys. ordly sight, John Eck '94, Dan Wagner '85, and Joel Greentweld '85 tore, left to right; and ten other Burtonaires balled up magazines and l issues of THE TECH, and stuffed them into the fifth floor single starrt of Byron Johnston, '63.

(Right) After Johnston opened his gift wrapped door and received "present," the papers were moved down the hall toward Wagner's

Computer-Controlled Gun Freezes Electronic Images

By James Veilleux

It's now possible to "freeze" TV images electronically and store them for long periods of time. The remarkable device responsible for this is the storage tube developed by Raytheon's Industrial Components Division in Quincy, Mass. Guest Alvin Lovlin and Walter Crenberg explained its theory and application on Channel 2's "MIT Science Reporter" last week in the program entitled "Time in a Tube."

The tube is similar to one found in a TV set, in that it consists of an electron gun and a screen to receive the beam. The screen, however, is a dielectric wire mesh with 1,000 strands per inch, and the electron beam is twice as fine as that of a standard television tube.

The electron gun, under control of a computer, takes a TV image at the desired instant of time and reproduces it on the wire mesh. The image is then made visible on a collector directly behind it. Because of its fineness, the screen can be divided into sections, so that several images can be frozen simultaneously.

The newest refinement of the storage tube is a dual-gun arrangement, in which one electron gun freezes the images, and the other scans the screen to read them off. In this device, after several images have been compiled, the old ones gradually fade out to make room for more.

Of the many applications for which the tube is designed, radio is probably the most vital. In conventional installations, the radar scanner leaves the pattern it records on a screen in the control room. But the pattern is only visible for a few inches behind the position of the scanner on the screens, while it is turning very rapidly. This set-up requires a darkened room and is very tiring on the eyes.

The storage tube, however, can freeze the entire radar pattern on the screen for one or several rotations of the scanner. When several rotations are recorded, one not only sees the radar pattern but also the path of moving targets. Old patterns, of course, gradually fade out to allow the storage tube to freeze new ones.

This type of installation is already being used by the Coast Guard to control the traffic in New York Harbor. The operation, located on Sandy Hook, reveals the position of boats marking Arrows Channel and the motion of ships passing through. Each ship is equipped with a storage tube which informs the captain of his position relative to the other ships and channel markers in his vicinity. In order to determine which vessel is his on the screen, he must make a sharp turn and watch for the radar's response.

"But use is still five to ten years away." said Prof. Mann, is still five to ten years away. Other uses of the tube include recording train numbers in railroad yards and plotting the sequence of events leading to the failure of plant equipment.

It is also an integral part of PLATO (Programmed Logic for Automatic Teaching Operation), a computer which feeds information to students. The student answers problems and can call on the storage tube for a decision on whether or not his answers are correct. This operation was quite successful when tried in conjunction with a math course.

Visualized the award for the TFX, General Dynamics/ Fort Worth continues to pioneer technological development in the Southwest. The TFX is a bi-service (Air Force and Navy) aircraft with many unique engineering characteristics. Its development will afford excellent engineering opportunities to qualified engineers and scientists. To take advantage of these opportunities, contact your Placement Director to determine when a GD/FW representative will be on campus, or write Mr. J. B. Ellis, Industrial Relations Administrator-Engineering, General Dynamics/Fort Worth, P. O. Box 748, Fort Worth, Texas. An equal opportunity employer.
Letters to The Tech

Professor takes issue with Editorial Interpretation

To The Editor:

Re: my article in the November 17th Tech under the
title "All a Mistake" charged me
with the view that man's con-
trol of atomic power is just that.
"We are sure," you wrote, "that Dr. Smith..."...

This is not so. For man has been
given dominion over the universe... There is
no such thing as man... Some individual
has been given bureaucratic power to mark
the nuclear oaths of mankind forever... Would
be have done so? Should he have done so?

I can't see any rhyme or reason for
the editorial's concept on this.

Sincerely,

Huston Smith

Yale Reprimands Security Chief

Yale University has recently found reason
to rebuke its Security Chief, John W. Powell.
"One of John Powell's first moves after assum-
ing the position of Yale's Security Chief was to
begin the series, Yale Provost Kingman

Using as its main source of
information on the Yale campus police force "is run like the FBI."
The Chicago administration,

Students at Yale and other col-
er are always looking for new ways to
revive their University's College-
Tech column "Graduate Rattle,"
comments: "Another problem for
the graduate kitchen is the disposal of the
weekends... If the U.S. had turned out in 1942 like
the Iowa-born student historian, Lyle C. Summer,
then World War II would have lasted only six months. At MIT they
have developed an "inertial potential well" which
they use quite successfully for the instant
evaluation of anything unbearable. It might be

Further, research ability is easier
to document and evaluate, than the
teacher's ability. For this reason, the
activity is more important in determining
his chances for promotion than his ability as
teaching. Young faculty members know this,
and sometimes feel usurping their colleagues' roles
in the academic hierarchy. This is not
part of MIT's unique position... traditional
educational function of the operations budget was spent for
educational purposes; however, because
the salary is split between
the period of the person's most productive
vital activity period and the period of the
years, this leaves MIT with about 420 full-time
students... The only meal service on campus was at
four hours a day for seven days a week... For the other
five days there were no meals at all.

In 1910, of which
about 700 faculty members were,
Dr. Smith... is among those who
would not have been hopeless
energy had
never been discovered.

But this is precisely the position
I sought to challenge. Dmitri
Lewin

"I call a lack of depth..."

Science Chief Powell has refused to comment on other articles or the
"Graduate Rattle" column.
Statistics Conceal Flight Safety Facts

By Steven Lipez

Flight safety and the problems it presents for the future were the topics of a talk by Mr. Jerome F. Lederer on Tuesday, December 28. Mr. Lederer's talk was the last in a series before the Flight Transportation Seminar.

Mr. Lederer pointed out that statistics may conceal facts about flight safety. For instance, although air travel is safer than all driving, freeway driving is now approaching the safety of commercial flying, in terms of fatalities per passenger mile. And while commercial accidents are due to failure of equipment, he suggested that private pilots are not as well trained as commercial pilots. He also described these tests as typical of the work of the Foundation, which conducts research to make flying safer.

Speaking of the morality of safety design, Mr. Lederer pointed out that while a commercial passenger expects absolute safety, the private flyer will accept certain risks. He also warned that regulations for safety must not be so rigorous as to stifle new innovations and destroy profits.

In conclusion, Mr. Lederer showed a number of films of controlled helicopter crashes conducted by the Flight Safety Foundation, of which he is director. The tests were conducted for the Army to determine a way of making helicopters safer in crashes. He described these tests as typical at the work of the Foundation, which conducts research to make flying safer.

Cuban Communist Economy Scrutinized in Degeneration

Communist Cuba economy has come under close scrutiny. In December 19 talk at MIT, Alatten for Progress' Dr. Filipe Pazos discussed factors acting to combat inflation.

There was no appreciable rise in the level of prices in Cuba from 1967 to 1968, despite a 30% fall in total exchange receipts and a 25% increase in wages. Rent and utility rates dropped or remained the same. Cubans consumed their inventories and stopped in- ventory. High income groups reduced their consumption, compensating for increased consumption by lower income groups. Dr. Pazos pointed out that the government discouraged prices increases as anti-revolutionary.

More information is sup- plemented by the Cuban Student Direc- torate. The Directorate, whose Boston branch is headed by MIT student Juan Calvo '62, is an anticom- munist counter-revolutionary group opposed to the Cuban Communist regime.

Feed raising forced prices to a level insufficient for beef, $3.50 pound. Pork, $1.50 per pound. Oil, $1.00 per gallon. For clothing, a shirt cost $3.00, a hat $1.50.

The government is closing all privately-owned department stores and establishing a single state store in each city. Buying permits, issued through local "Vigil- lance Committees" and redeemable only at state stores, are sold in the cities.

Shoes, however, are only available to government employees and workers. This ruling has improved the aged and the young of shoes. Many people must go barefooted even in the larger cities. Pregnant women need special permission to buy food and medici- nes. Baby clothes are also ru- tined.

Lack of food and medicine is a critical problem in Cuba. The recent return of the Bay of Pigs invasion prisoners has shown this dramatically. The prisoners were taught to maintain medicine and gas- troenteritis, but could not receive any medication for their condi- tions.

Lack of sanitary practices and unsafe drinking water are con- tributing to a gastroenteritis epide- mic in Cuba. In some of the villages nearly five per cent of the population, most of them chil- dren, have died within a week. The government has been taking the corpses from the parents and burying them secretly to avoid mass national panic.

The United States has given $53 million worth of food and medicine to Cuba. This may serve to halt the epidemic.

Grades Ready January 31

First Term Grade Reports will be mailed to the Term address on Thursday evening, January 31, ac- cording to the Registrar's Office. The Report may be sent to the student at a different address if at the Registrar's Office no later than January 25. Depli- cate reports will be sent to the parents of First Year Students.

MORE SUN

MORE SNOW
movies ...

'Lawrence Of Arabia' At Gary Theatre

Any serious attempt at a screen biography of T. E. Lawrence must meet with almost unanswerable difficulties: Lawrence, a man who became a legend in his own time, was an incredibly complex and many-sided character, and very little is known of his real personality. As a result, "Lawrence of Arabia," visually rich, intellectually honest and careful as it is, meets with only a partial success.

The film does not stand up to a detailed psychological examination. I failed to comprehend the psychology behind Lawrence's contradictory behavior—mercy for the human life on the one hand, the seemingly shameless, profoundly depressed when he realized he could enjoy killing; cruelty and extensive bloodshed on the other hand. The reasons for his actions were never clear to me; whatever insights into his personality were present, they seemed as contradictory as his behavior. Robert Bolt's screenplay succeeds only in capturing the external side of Lawrence's character (his exhibitionism, his insecurity) and his relation to his environment and fails in the attempt to probe deeper. Bolt's treatment of Lawrence is as tawdry as similar to that of Thomas More in his current Broadway success "A Man for All Seasons." Had the film been restored in the legend of Lawrence, had it not had any psychological pretension, any desire to portray the man, perhaps it would have been the achievement its talented staff had led us to anticipate.

Directed with painstaking devotion by David Lean ("The Bridge on the River Kwai," "Brief Encounter"), "Lawrence of Arabia" is the product of years of work. Shot on location in the Arab desert, a beautiful color photography and a sense of pictorial composition give it a splash of reality. Particularly not able in the use of the desert as a convenient Swashbuckling setting.

ODETHA
Sat., Dec. 19, 5:30 p.m.
JORDAN HALL
Tickets $5.50 11:30 a.m., 6:30 p.m.
$1.50 9:30 p.m.

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Pro-rated holiday and vacation benefits

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J. A. Murphy, Managing Editor
Cambridge Communications Corporation
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Westinghouse-Sturtevant Division
Warren C. Bulet, Mgr., Management
Empire 1-3700 Extension 301
By David G. Johnson

The little known Corny is now featuring a novel operetta, "Little Mary Sunshine." This musical is melodramatic, corny, hanger-on and thoroughly delightful. "Little Mary Sunshine" is a satirical en- vironment for cast and audience alike to have a rollicking good time.

Good is bad and bad is good. Boys and girls naturally fall in love. And Gilbert and Sullivan spin their own grooves. The Forest Rangers chase a bad Indian, who is the son of the good Indian, who raised Little Mary Sunshine, who runs the Colorado Inn, to which come young girls from Rainbow Printed Stadium. The girls fall in love with the Rangers, etc., etc.

The cast contains no塑造 characters. Each characterization is strong, and the casting is excellent. With only one exception, the cast is vivacious, unadulterated, and attractive. Everyone sings well, and the voices are well blended and balanced. Some of the dance- ing is excellent, but all the dancing is at least adequate.

Some of the choreographic special effects—and their execution—are truly unbearable. One especially noteworthy example is part of a scene in which a Ranger and his girl friend are being pursued by the bad fellows. The couple come to a "river" on the side of the stage, slightly lower than the back. Into this imaginary cove they paddle across the river, scoot- ing themselves forward with each stroke. The Indian "dive" out of the river and swim to the other side, in a similar fashion. The ap- plause is long and loud. The production is well adapted to the three-quarter round stage of the Charles Playhouse. No one has to watch the action from the rear. However, everyone is sub- jected to the sight of backstage doors and first exits immediately offstage. One exit is even spot- lighted, since the piano and drum are located in a little nook in the exit. This is a move or less necessary evil, for the excellent music adds greatly to the produc- tion, and the stage arrangement does not allow for, nor require an orchestra pit. A second spot- light would be helpful, but this handicap is usually overcome by skillful use of existing equipment.

Twenty-five songs and dance numbers contain a variety to please any taste. The music, dancing, color, comedy, and in- fections good cheer make a visit to "Little Mary Sunshine" an evening well spent. However, one should be sure to take advantage of the short intermission, as the seating is not the most spacious in Boston.

Musical Revue

'Big Broadcast' Initiates Cabaret

The new Cabaret Theatre at the Charles Playhouse opened with "The Big Broadcast of 1932," a musical topical revue directed by Ben Hagen, creator of the "Show- business." The cast is vivacious, unadulterated, and attractive. Everyone sings well, and the voices are well blended and balanced. Some of the dance- ing is excellent, but all the dancing is at least adequate.

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"The Big Broadcast of 1932" features satirical sketches and scenes contributed by Sheldon Harnick, Peter Myers, Peter Cass and Peter Cook, whose con- tribution to "Beyond the Fringe" recently delighted Boston and other cities.

Performances will be given at 8:30 p.m. on Thursday, Wednesday, and Thursday evenings, Friday and Saturday at 8:00 and 11:00 p.m. and on Sunday at 1:30 and 6:30 p.m.
movies...

'Billy Budd:' A Discussion Of Morality

By Charles Foster Ford

"Billy Budd" may get lost in the flood of sea-epics that have washed over Boston this season, or worse, it may be mistaken for a black-and-white imitation of "Mutiny On The Bounty," made to ride on the publicity tidal-wave. Either would be a mistake. "Billy Budd" is not an exciting adventure, but a serious discussion of morality, and a great deal of movie-making in the bargain.

From the moment Billy Budd, the soul of innocent goodness, leaves the merchant-man "The Rights of Man" to become part of the crew of "The Avenger," his destruction is all but inevitable. Again and again it is stated that this is a man of worth, in humble seas, at war with France. Admixture law provides the only rules for living, and, as a third vital fact in the background, the crews of two other ships have already mutinied against outlawed, inhuman sovereigns. The stage is set for a tragedy.

The antagonist here is the master-at-arms Claggart, a man steeped in cruelty and evil that good sense appears to him strange and unnatural. Claggart is hated by the seamen he commands, for his cruelties, and despised by his officers as a liar. Billy's honesty puzzles him, but it is too much of a threat to his own power to be ignored. Claggart accuses Billy of fomenting mutiny and murder...a foolishly untenable which, in fact, Billy has been trying to prevent. Speechless with rage and injustice, Billy can find no one near but a blow, and Claggart dies of it.

Admiralty law sees this act one of mutinous murder. It thus compels the ship's officers to hang a man they all believe innocent of any evil. The act itself condemns themselves, and for reasons it is all important. Despite the complicity of the officers, despite the anger of the crew, Billy must hang.

This movie has benefited from the recent wave of anti-war films. Melvill's original was made in 1926 with a different cast by Lewis O. adore and Harvard's Robert Chetship from whom the Lnt- and DeWitt Budin fashioned the screenplay. Each stage of development seems to have refined the original, and to have translated its essential power into new mediums.

The film was photographed in black-and-white Cinemascope for free viewing. Villers provided three romantic old sailing-ships; Anton Hopkins provided dramatic and exciting music. All three have worked together to fill the film with beautiful technical details which become obvious in second or third viewing: the focus is kept on the dramatic matter; the excellent photography and music contribute to the final effects, and never become inessential in themselves.

Neither is the acting visible by itself; characters are what they must be. Robert Ryan's Claggart is a tragic, sardonic character always wanting more. Terence Stamp is gentle and simple, and he has managed...by much wilder, to reveal his evil. The act itself condemn...

The film was photographed (in black-and-white Cinemascope) for free viewing.

No matter how much the ship's officers hated Billy, they could not hang him for murder, even if he were guilty. The antithesis of the law is justice, and justice demands that murder be punished. The only question of law, the only question of the law, is whether Billy is guilty or not. And that is why the court can make no decision.

It is a lesson that is learned by all who see "Billy Budd."
A GUIDE FOR THE UNMONEYED

R. L. Stigfoss was a keen, ambitious lad, and when he finished high school he wished mightily to go on with his education. It seemed, however, a forlorn hope. R. L.'s father could not send the boy to college because a series of crop failures had brought him to the brink of disaster; (C.L.'s father mixed orchids which in North Dakota, is a form of agriculture fraught with risk.) It was, therefore, square to R. L. He could go to college only if he worked his way through. This was a prospect that dismayed him. He had a deep-seated fear that the task would be too great, that he would never be able to carry on a full, busy college life and still find time to do odd jobs and make money.

Racked with misgivings, R. L. paced the streets, pondering his dilemma. One day, walking and brooding, he came upon a park bench and sat down and lit a Marlboro cigarette. R. L. always lit a Marlboro when he was unhappy. He never lit a Marlboro when he was happy. R. L. also always lit a Marlboro when he was merry. The fact is there is no controversy over the Marlboro theory, the Marlboro theory of festivity—when Marlboro with its fine filter and fine flavor is not entirely welcome, as you will discover when you go to your college. Mr. Maurice Breslow, technical director of the Wellesley College Theatre and the Weston (Ver- mont) Summer Playhouse, will direct. Tickets are $1.50 and may be purchased weekdays from 10:30, 1:30 in the lobby of Hayden Lib- rary, or reserved by calling extension 3195.

The traditional opening night re-
ception, to which the audience is invited, will be Thursday, Janu-
ary 17.

Ozada Abstracts Now At Library

An exhibition of twenty paint-
ing by Kenzo Odada, one of Ja-
pus's leading modern painters, opened Monday at Hayden Li-
brary and will be on view through January 7.

Odada has been selected by both Japan and the United States to represent them, individually, in exhibitions and competitions. Prizes he has won include the 1956 Venice Biennial representing Japan and the 395 So. Carolina Biennial. His work is represented in major U. S. museums and collec-
tions.

Ozada's paintings are wholly abstract and give much attention to the relationship of masses and color areas and textures.

Gottmann Discusses Megalopolis Crisis

Jean Gottmann, an authority on urbanization, will speak at Wel-
lesley College Thursday evening on the development of large cities along the North Atlantic coast of America.

Gottmann is on leave from his post as professor of geography at the University of Paris. He will lecture at 7:45 in Pendleton Hall. His speech is entitled "The Chal-
lenge of Megalopolis."
Dunster Shirts and Pajamas
"Take Four or More" — you select four or more units — Dunster Oxford Shirts, with button-down collar, in white or blue (regularly 3.98) — and/or — Dunster Broadcloth Pajamas in blue, grey or tan, coat or middy styles (regularly 4.50 for sizes A-B-C-D and 5.00 for long sizes).

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100 sheets. White Bond.
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39c doz.
Rules
Architecture 1.95 Engineers 2.75
Entries will be awarded $25.00. Winning to GET LUCKY, a nutty, surprising question for it, and you've done a First, think of an answer. Any answer. Then come up with RULES: The Reuben H. Donnelley Corp. will judge entries on the basis of humor (up to 120 words) and originality (up to 60 words) and their decisions will be final.Duplicate prizes will be awarded (up to 120 words) and originality (up to 60 words) and their decisions will be final. Duplicate prizes will be awarded. Entries must be the original works of the entrants and must be submitted in the entrant's own name. There will be 50 awards, one each month, October through April. Entries received during each month will be judged for that month's awards. Any entry received after April 30, 1963, will not be eligible, and all becomes the property of The American Tobacco Company, its advertising agencies and relations of the said employees. Winners will be notified by mail. Contest subject to all federal, state, and local regulations. CASH AWARDS

THE ANSWER

THE QUESTION IS: How does one discover fine-tobacco taste in a cigarette? Well, that was easy enough. Luckies are famous for taste. It's the reason why we say: "Lucky smokers stay Lucky smokers." (Why don't you say it a few times?) Find out for yourself why Lucky Strike is the most popular regular-size cigarette among college students. Pick up a pack today! Product of The American Tobacco Company —Welcome is our middle name
Engineers Capture Hoop Title in Montreal Tournament

VICTORIOUS in the Montreal Invitational Tourney and spurred by recent Canadian tour, MIT’s Cagers return to the Southern New England Tournament at the University of New Hampshire, in hopes of following the trail of the ’62-63 squad. That record breaking Tech Five posted a 3-0 mark before January 1st and went on to win all fifteen games in 38-62. This present team went 1-5 in 1963 and has a 3-1 record since January 1st. The single loss coming in a Division II title contest. In the Montreal tourney, last Friday and Saturday, MIT returned to George Williams University 89-82 while Pennsylvania Military Academy deflected the Boston College of Ontario, 70-64 in opening play.

MIT Take Trophy

In the consolation round Acadia defeated Vermont, 62-54 to earn a berth in the National Inter-League playoffs. With 14 points, Grad House gained the championship in the league’s final two games. As a result, MIT will face a team from the American Basketball Association in the second overtime, 70-72. The Beavers led Acadia all the way, but Bob Grady’s 11 led Tech to a 2-3-1 victory. The win clinched league titles. Playoffs will be held in 4 of the 8 leagues. Grad Man- age showed ties for first place in 3 of the 4, the third and fourth seasons the week before Christmas. In a double overtime contest. Baker had triumphed, 69-55, in a meeting, but this time A against Grad Management A. Freshman star junior forward George McQuillen had 17, Tony Quandt and Frank Vail won 6 each for the “go” team as the subs ruled the 48 point win. Vermont’s Bill Shelton connected on a three-point-play early in the second overtime. Becton rebounded in a short time, and the Fifty Mountain Boys made good on their next play. Tech opened up an attempt to catch up, but were out- gunned 15-12 in the overtime. Vermont’s Bill Shabel connected on a 3-2 shot and the way and with Jack Moter turned in a fine performance. Tech opened up a 3-2 spread by halftime. Grady added 2 points and Baker had 16 in the opening half. The Axemen con-

Intramural Volleyball Begins February 10; Qualified Refs Needed

MIT’s Intramural volleyball sea- son will begin on February 10. All leagues are due to the Athletic Association, along with the regular 10 deposit, by January 30.

Fijis, Theta Delts, East Campus Score Wins In Intramural Hockey

Several important games were played in the week before Chrístmas vacation, with the final stand- ing showing ties for first place in 4 of the 16 intramural hockey season approaches- ed its close. The Theta Delts continued in winning ways with a 4-1 victory over Senior House. Numor Dorf ’66 scored 2 goals and 2 assists, and led all scorers in IM hockey with 20 points. Later in the week, Senior House defeated Sigma Phi Epsilon, 9-1.

The intramural basketball teams closed out their regular season the week before Christ- mas vacation, with the final stand- ing showing ties for first place in 4 of the 16 intramural basketball season approaches- ed its close. The Theta Delts continued in winning ways with a 4-1 victory over Senior House. Numor Dorf ’66 scored 2 goals and 2 assists, and led all scorers in IM hockey with 20 points. Later in the week, Senior House defeated Sigma Phi Epsilon, 9-1.

GMA Overcomes Baker

The National League champion- 

ship game played Baker House A against Grad Management A. Baker had triumphed, 69-60, in a previous meeting, but this time the Grads fought to a 3-2 victory for the league championship. Baker led the victors with 21 points.

In the only game played in the Pacific Coast Leagues, Phi Delta Chi, by 31 points, to win the championship. A defeat of the Alpha Epsilon Pi, as Bauer Campas retained first place in the E league. Chi has 15 goals, I assisted on 17 points and ranked second in individual scoring.

GMA, Poli Sci, DTD Clinch IM Basketball Titles

The Theta Delts moved into second place in the regular season with a 3-0 sweep over Lambda Chi Alpha. The Theta Delts also defeated Bauer House, 66, on three goals by Foster. Chi of East Campus scored 6 goals to lead the team to a 3-2 victory over Alpha Epsilon Pi, as East Campus retained first place in the E league. Chi has 15 goals, I assisted on 17 points and ranked second in individual scoring.

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