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By Mark Bolotin

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Acting on an obscure 1933 law which grants approval for all presidential trips abroad, the Chilean Senate voted to deny Pres-ident 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 fact the first time that this pow- er has been used.

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United Nations address

Also scheduled for Frei's trip was a New York City in order to address the United Na- tions. From New York, he was to continue to Boston as the guest of President Nathan M. Pusey of Harvard University and President Howard Johnson. President Frei's schedule, determined by Frei, was supposed to be on The Changing Balance Between Economic De- velopment and Social Progress.

New board takes

The Tech posts

By Paul Johnston

The Board of Directors for Vol- ume 87 of The Tech was elected at the pre-internation meeting of the old Board. The new Board of Di- rectors assumes its duties with this issue of the newspaper.

New Board Members:

Dr. Lee J. Strickler 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 85 as Features Editor. Managing Editors for the new volume will be John Carvin '83 of TDC and Tom Thomas '69 of SAE. Tom was Sports Editor of Volume 86.

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Electron microscope lab set up

By Gary Bulluck

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 is located in a variety of equipment for analysis and measurements, which include instru- ments for gas and liquid chromatography, spectros- copy, light-scattering photometry, adsorption phsena, and differential temperature analysis. In addition, the microscopes in the facility can be equipped with a capillary ranging from 3,000 to 23,000 diameters; the others are capable of 10 to 20,000 diameters in magnification range. The right microscope magnify only up to 1,500 diam- edex.

Great 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 magnifi- cation plus one. The smaller may ob-
Instrumentation Lab guides Apollo

By Paul Johnston

The guidance and navigation system three Apollo astronauts will use to steer their way to the moon and back is the work of MIT's Instrumentation Laboratory.

Self-sufficient system

This system is self-sufficient, flexible, and makes maximum use of the capabilities of both man and machine. It can be programmed to perform guidance and navigation functions for an entire mission. In-flight modifications of flight plans and trajectories are easily accommodated by the hardware.

Astronauts try out system

System theory, mechanization, mission programming, and the ability of man to use the system effectively are continually tested and proven in stimulation-type devices located at the laboratory where the Guidance and Navigation (G & N) system was designed. Many of the astronauts, including the late Ed White, worked with the system from time to time at the Instrumentation Laboratory.

The system consists of three major sub-units: inertial measurement unit (IMU), a computer unit, and optical unit.

Inside the IMU

At the heart of the IMU sphere are three gyroscopes and three accelerometers recessed into a metal fixture. These instruments make up the stabilized inner member. This is suspended inside three concentric spherical gimbals connected to each other by drive motors and angle control readouts. The gyro and accelerometers are single-degree-of-freedom, sensing motions acting only along their input axes. The axes are aligned orthogonally, one for each of the principal directions of motion, pitch, roll, and yaw. By summing what each instrument senses, the G & N system determines the resulting actual motion of the craft, and takes appropriate action by generating control signals for the spacecraft rocket system.

Re-alignment before use

Since the IMU is often turned off during long periods of free-coasting trajectory, in order to save electrical power, it requires initial realignment to the stars before each use. One of the jobs the astronaut-operator has is in using the system in this IMU alignment using the G & N optical unit. The optical unit consists primarily of a wide angle of view, unit-power scanning telescope, and a 16-power magnification, narrow field of view space sensor. The astronaut uses the scanning telescope to locate desired star fields and landmarks. He then uses the sextant to measure directions to and angles between stars for navigation data.

Computer operation

The guidance computer is a general purpose digital machine ofcrew e design, geared for deep space flight use. Astronaut and computer communicate in a number language via a 21-digit character display and a 16-button keyboard. The astronaut punch data and commands into the system. These are displayed to him for verification in electronic and counter-type windows. The computer displays readout numbers in the same windows.

N & A contract

The system was designed and developed by engineers and scientists at the MIT Instrumentation Lab, under contract from NASA's Marshall Spacecraft Center, Houston. The Laboratory was founded 25 years ago and continues to be directed by Prof. Charles S. Draper, sometimes called the father of inertial guidance in the USA.

While the tragic deaths of the three Apollo astronauts in their capsule January 27 is expected to delay Project Apollo by at least six months, no serious damage is foreseen in the work being done at the Instrumentation Laboratory. Possible causes for the capsule fire include the Environmental Control System, the venting system, or the explosion of batteries inside the craft. None of these causes are directly linked to the Instrumentation Laboratory's work. However, a major redesign of the system will necessitate reprogramming the on-board computers.

Van de Graaff came to MIT from Princeton

(Continued from Page 1)

"This is expensive, difficult and curious." The generator consisted of two units each with a polished aluminum sphere fifteen feet in diameter.

Professor At MIT

From 1904 until his retirement in 1966, Van de Graaff was an associate Professor of Physics at MIT. Born in Tübingen, Ala., he received his BS and MS in mechanical engineering from the University of Alabama. He received his doctorate degree from Oxford University, where he studied as a Rhodes Scholar.

His work leading to the accelerators at Princeton University under physicist Karl Compton. When Compton moved to MIT and became president, Van de Graaff followed. It was under Compton's encouragement that Van de Graaff scaled up his first crude electrostatic generator into a machine that developed 5.4 million volts.
MAJOR PROGRAMS NOW UNDER WAY:

PLOWSHARE—Industrial and scientific uses of nuclear explosives.

WHITNEY—Nuclear weapons for national defense.

SHERWOOD—Power production from controlled thermonuclear reactions.

BIOMEDICAL—The effects of radioactivity on man and his environment.

SPACE REACTOR—Nuclear power reactors for space explorations...

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Visit your college placement office and schedule an interview with the Boeing representative. Boeing is an equal opportunity employer.
The initial footnotes of Volume '69 will generally follow the pattern set by the footnotes of previous volumes. This column will try to present information relevant to the MIT community in the form of opinions, rumors, selected articles and other works that strike the author's fancy.

The members of the Class of '69 seemed a little dismayed when grade reports were opened last week. Many of the students taking 803 had a little shock awaiting them in the form of a grade lower than anticipated. Those who expected the improved upon a Southern Miss State College Psychology class. A gasoline retarded accelerated the phenomenon. The reason is a significant amount of F's. The distribution of the remainder indicated that the course was solidly C centered.

A Professor of Graphs at Poly used his letter to the Editor to set down some thoughts on entrepreneurial activity, drawing from his years of experience by The Tech, Room W20-483, MIT. Since its founding in December, 1965, the Reserve Book Room would be established here at MIT and be open to the students of the institution who reside in the form of a committee. The reason is a significant amount of F's. The distribution of the remainder indicated that the course was solidly C centered. The group reaction to the experiment—"I feel like a fool." The students at Haverford in New York City who had enough of the campus code of conduct. The result was a boycott. The students at Hunter encountered many problems with the student government and management. The reason is a significant amount of F's. The distribution of the remainder indicated that the course was solidly C centered.

The students charged that prices are among the highest in New York college campuses. The management reported that their most recent survey showed that they weighed more than hammers at the other city college campuses.

Nevertheless, after three days of diligent bargaining, an agreement was given in and awarded contracts. They told the students that reduced prices could be achieved by reducing the student body. The students are not sure about a boycott because of the clampdown. The student government has given the students the right to express their opinion. The students have been promised that they would be allowed to express their opinion.

The WEU, the student's paper, are still writing articles about the future of the students. They are facing a complete lack of support from not only the students themselves, but also from the student government and management. The result was a boycott. The students at Hunter encountered many problems with the student government and management. The reason is a significant amount of F's. The distribution of the remainder indicated that the course was solidly C centered.

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Faculty research advanced by new microscope lab

(Continued from Page 1)

Dr. Charles H. Townes, Institute Professor of Physics, has been selected to receive an honorary degree at the University of Alberta's Centennial Convocation, March 28. Along with three Canadians, he will be presented with the degree of Doctor of Laws, honoris causa.

Dr. Townes, a world authority on microwave spectroscopy and masers, has held Fulbright and Guggenheim Fellowships, and was awarded the Nobel Prize for Physics in 1964. The others to be receiving honorary degrees are Mrs. Donald W. Hiddleton of Toronto, His Eminence Paul-Emile Cardinal Leger of Montreal, and Mr. C. H. Dickie, a special one for the awarding of honorary degrees, and no regular

The sample preparation equipment includes a machine that uses wedge-shaped blades to peel sample sections as thin as 100 angstroms in diameter.

The electron microscope facility, will enable faculty and students to expand fundamental studies in such areas as chemical catalysis and membrane separations, and their physical interactions with the materials used to support them, the structure and design of membranes for chemical separation, and the chemical engineering aspects of colloidal systems.

Faculty aids in membrane study

One Chemical Engineering Department group under Prof. Edward S. M. Griswold is using the facility in research on biomedical membranes. The field embraces both membrane technology and colloid chemistry and is applicable to such applications as artificial kidney machines.

Another group including Prof. B. R. Balasubramanian and his associates has a particular interest in industrial catalysis and in membrane technology. The microscopes are usable by the thesis students in both fields.

Prof. Allan S. Douglass is using the facility for one of MIT's advancedjb-scientists seminar for freshmen.

Several industries contribute

The total cost of the electron microscope facility was approximately $250,000. Of this, $150,000 was contributed by the NSF in the form of an equipment grant. Other funds came from several industrial concerns through grants to the department and from MIT's own resources.

These valuable instruments are in good hands. In charge of the operation of the facility and handling the $1,400,000 released for linear accelerator to be built in Middleton

One million, four hundred thousand dollars of Atomic Energy Commission (AEC) funds have been released for use on the 50 million electron volt linear accelerator to be built by MIT in Middleton, Massachusetts.

Representative William H. Bates (R-Mass.), a ranking member of the Joint Committee on Atomic Energy, made the announcement, saying that the building of the accelerator "marks another step in the scientific development of Essex County, which will attract many of the best minds and advanced industries of the nation."

Bates said that previously only $77,000 of the $54 million appropriated for the MIT accelerator had been appropriated for this fiscal year. The balance of the additional money makes it possible for the project to proceed on schedule and within original estimates of cost for the $54 million accelerator, he said. The balance of the federal funds, Bates added, is expected to be released after July first.

MIT is providing the land and $200,000 of the total budget $350,000 more for the Middleton accelerator's operating expenses.

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Start something with Teradyne... where you won't have much time to be an apprentice, you'll be a producing member of the organization right away! Meet us on campus on February 10—you may start something.

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Mrs. Marilyn Hamming, 326-6500

for more information call

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CAMPUS INTERVIEWS ....... MARCH 7, 1967
PSSC group given award

An "Appreciation Award" has been presented by the Western Electric Fund to the MIT "in recognition of outstanding efforts in furthering academic excellence and

pioneered by a $5,000 check, was: given in recognition of the work of the MIT Physical Science Study Committee, headed by Dr. Jerrold R. Zacharias, which pioneered in the development of a new high school physics course, now used throughout the world. This work led to the establishment of Educational Services Incorporated, which has been responsible for extensive curriculum reforms and which has now been incorporated into a new organization, Educational Development Center.

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Award available to Zacharias

Dr. Jerome B. Wiesner, provost of MIT, announced that the monetary award will be made available to Professor Zacharias for use at his discretion for special educational purposes. Dr. Zacharias, a physicist who holds the title of Institute Professor at MIT, led in the formation of the PSSC in 1956 and became director of academic affairs of ESI when it was formed. He is vice president of EDC.

The Appreciation Award of the Western Electric Fund is presented by (right) J. W. Abbott, Jr., of Western Electric. From the left are Bruce Harriman of NET&T, Dr. Jerome B. Wiesner, and Dr. Jerrold R. Zacharias.

Selective Service test applications

must be postmarked by Friday

Applications for the March 31, and April 8, 1967 administrations of the College Qualifications Test are now available through Mrs. Lutz, Selective Service Advisor, in 206-226. Completed applications for the test must be postmarked by midnight, Friday, in order for the applicant to take the test. Applications should be sent to Selective Service Examining Section, Educational Testing Service, Box 998, Princeton, New Jersey 08540.

The April exam will not be offered at MIT, so students wishing to take the test then should choose another test site.

second semester jump

Start your second semester off on the right foot. While you're picking up the textbooks and school supplies you need at the Coop, why not pick up a little extra something for yourself? Call it a "welcome back" gift. It will put you in the right frame of mind to start the second half. Choose your "welcome back" gift from any of our departments: Books and Records, Clothing, Appliances, or whatever...and welcome back to the Coop, where you're always welcome.

Map Your Winter Course

Follow the map to ROSETTI'S TEXACO STATION (corner of Broadway & 6th in Kendall Square). Use your Coop Membership Card to charge gas, oil, batteries, tires and tune-ups. And now is the time to winterize your car with snow tires.

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Regular Hours: 8:30-5:30, Monday - Saturday.
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Book review... Nazi cruelty scars child

Richard Wright named Manager of Tech Review

Richard F. Wright has been named advertising manager of Technology Review, according to Donald P.Govern, publisher. Wright has been ad manager of the magazine on a part-time basis for the past year. Formerly, he was advertising director of Engineering Label and also served in the national advertising department of the Boston Press.

On the waterfront at Annapolis— growth opportunities for research engineers and scientists

The U. S. Navy Marine Engineering Laboratory conducts ROTLE in naval shipboard and submarine machinery and auxiliary systems (electrical, propulsion, control, etc.). In addition to developing topic improvements in performance and reliability, the Laboratory concentrates on ship silencing, new concepts in energy conversion and control, ways to minimize friction and wear, special operating machinery for deep-diving vessels and tough, resistant naval alloys to meet all ocean environmental conditions. The Laboratory buildings—now more than 50 of them—house some of the finest research, experimental and evaluation equipment of their kind. such as high-speed computers, electronic equipment, vibration and shock test stands, metals composition analysis instruments, cryogenic storage and handling facilities, physics and chemistry labs, and complex instrumentation for measuring strain, stress, wear, deformation, velocity, performance, and reliability. The Laboratory grounds resemble a modern industrial park, and include special facilities for in-field experimentation. And the locals is ideal. Washington, Baltimore and the ocean resorts are no more than three hours drive. In itself is the state capital, and offers small-city living with metropolitan accessibility. The Laboratory provides additional opportunities: all engineers and scientific personnel with BS, MS and PhD degrees.

Typical Duties of Engineers and Scientists at MEL

Mechanical Engineers—Research and development in shipboard propulsion machinery—propulsion systems, friction and wear equipment and devices—naval and shipboard mechanical systems—shock and vibration—silencing—robotics, machine tool design and welding equipment—control systems—friction—electric and electronic equipment—mechanical systems—friction—electric and mechanical equipment—silencing—plus a variety of additional naval and shipboard electrical applications.

Electronic Engineers—Research and development in electrical power and its control—electromagnetic—shipboard control systems—electrical and electronic equipment—safety—plus a variety of additional naval and shipboard electrical applications.

Chemical Engineers—Research and development work in chemical and electrochemical processes—gas and fluid flow systems and equipment, air and water treatment systems, semi-conductor materials, lubrication systems and processes—filtration—hydraulic fluid systems.

Physicists—Application of physical principles to the areas of sound, electronics, optics, mechanics, instrumentation, or electronics and magnetism.

Chemists—Engaged in application of chemical principles to the areas of water treatment and purification, corrosion and deposition in naval equipment, atmospheric purification, thermoelectric materials, fuel cells, power generation, lubrication, fuels, hydraulics, and instrumental analysis.

Mathematicians—Apply the techniques of mathematics to the solution of scientific and engineering problems in the support of research and development programs of the laboratory. Analyze physical systems and formulate suitable for numerical analysis and computer programs, compute solution by digital computer when appropriate.

Metallurgists—Research and development work in the area of new or improved alloys for ship hull and machinery applications—involve considerations of physical and mechanical properties of metals and alloys, fatigue and corrosion characteristics, and weldability.

Salary range from $5,387 to $10,927 per year, depending on type of degree and qualifications.

Appointees acquire the benefits of career civil service.

All applicants will be considered on the basis of merit without regard to sex, race, creed, color, national origin, age, physical handicap, marital status, or lawful political affiliation.

If you are interested in applying your capabilities to the vital and expanding business of improving ship and submarine performance, apply, in writing, with your College Placement Officer to see the Laboratory's recruiting representative, who will be on campus for interviews on February 13

February 13

Dr. L. Jacoby has been appointed director of the Office of Institutional Studies at MIT. Malcolm K. Gérard, Vice President of Academic Administration, announced.

The Office of Institutional Studies was established in 1964 to provide computer services to the Registrar's Office. It now provides this service to a number of administrative offices at the Institute including the Administration, Alumni, and Student Aid.

Mr. Jacoby came to MIT in 1962 as an assistant director of the Aid and general manager of Technology Student Association. He was appointed associate dean of Student Affairs in 1965.

He graduated from MIT in 1964, receiving a bachelor of science degree in industrial management.

As a student, he was president of the Undergraduate Association. Mr. Jacoby served as class president for five years following graduation, and has been class agent since 1959. From 1961 to 1963 he served as a member of the Student Exhibition Committee for Student Affairs.

From 1961 to 1967 he served with the United States Naval Air Force Contracts Administration & Termination as acting deputy chief of the Nuclear Division of the Office of the Air Force Representative at the Douglas Aircraft Company. From 1958 to 1961 he was a mathematician with Fairchild Labs, Management Consultant, and from 1953 to 1958 he was manager of development and a partner of C. J. Jacoby and Partners.

Soviet scientist Fomin to lecture Thursday on models of systems

Professor S. V. Fomin, a visiting Soviet Exchange Scientist, will lecture on Mathematical Models of Propagation of Elasticity in Biological Systems Thursday at 2:30 pm in Room 6120.

Professor Fomin is a member of the Department of Mathematics at Moscow University and the head of the Mathematical Laboratory of the Institute of Biophysics, USSR Academy of Sciences. He is in the US for a three-month exchange visit under the provisions of the Inter-Academy Exchange Agreement between the National Academy of Sciences and the American Mathematical Society.

Where will you be years from now?

In as good a spot as you are today? Well-informed? Up on things? Perplexed with the state of the art in your field of study?

Or will you (through no fault of your own) be dangerously close to the brink of obsolescence?

Can happen. Often does. Which is one good reason to consider a career at MITRE.

MITRE is pioneering in the design and engineering of complex information, sensor, control and communications systems for the United States Government. Our assignments include such prominent electronic systems as the NORAD Combat Operations Center, the Black-up Interceptor Command System for SAGE, and the National Military Command System (NMCS).

These projects represent the most demanding systems challenges of our time, and require the most advanced methods and broad range of scientific problems and the facilities needed to solve them.

As a member of the MITRE team, you'll be working in an environment of high-stress, high-impact inquiry, alongside colleagues of outstanding reputation, with the opportunity to make a real contribution in your area of interest. In an environment like this, telling how far you've come or how high you might go is certain. You'll not be overlooked, and you can't be in the US for a three-month exchange visit under the provisions of the Inter-Academy Exchange Agreement between the National Academy of Sciences and the American Mathematical Society.

The lecture is one of a series sponsored by the Committee on Engineering and Living Systems.

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SO YOUR FIRST JOB OUT OF SCHOOL IS A PROGRAMMING JOB.

WHAT CAN THAT LEAD TO?

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- becoming an expert in software design for small or large digital computers.
- learning what there is to know about large-scale information systems.
- developing the capability of taking a senior role on scientific problem-solving projects.
- joining the fight to make real-time systems a reality.
- becoming a selling, designing, and programming "account manager" in the area of business data processing.

Our profession is providing computer services to business and industry, and we're pretty proud of what we've done so far. We're looking for additional men to share the challenges, frustrations, and significant rewards of computing in the real world. These vary from one individual to the next, but all of our staff members receive annual bonus, profit-sharing, and the opportunity to buy stock, in addition to salary and standard benefits.

If you've had some exposure to computers and would like to make them a full-time job, please sign up to talk with Mr. Hankins in the Student Placement Office on February 14th. He has lots of things to discuss with you.

PHILIP HANKINS & CO., INC.
800 Massachusetts Avenue, Arlington, Massachusetts
Hayden Gallery to exhibit Trova's "Falling Men"

By Steve Carhardt

'Falling Men' will invade the Hayden Gallery beginning February 20. The occasion will be a one-man show featuring their creator, the noted contemporary artist Ernest Trova. The Falling Men series of figures is considered by many to be one of the more significant aspects of modern sculpture. The exhibition will be sponsored by the MIT Committee on the Visual Arts.

Study: Falling Man (Carmín) is one of the works of sculpture which form the Exhibition of Recent Sculpture by Ernest Trova to be displayed in the Hayden Library from February 20 to March 19. This particular sculpture is of polished silicon bronze and enamel, 72"x28"x20". It is part of the collection of Mr. and Mrs. Frederick Wiesman. The exhibition is being sponsored by the MIT Committee on the Visual Arts.

Jean Anouilh's 'Rehearsal' plays two weeks in Kresge

Although the applications of engineering disciplines in medicine have been rapidly multiplying, the large volume of work being done in this field at MIT has gone for the most part unnoticed due to the fact that it is spread among many departments. In order to publicize these activities among the student body and encourage students interested in working in this field, the Spring Seminar Series on Engineering and Living Systems will be sponsored by the MIT Committee on Engineering and Living Systems. First Program: To Be Surveyed

The first seminar will be held Tuesday, February 14, at 4 p.m. in the Bush-Room, 39-15B. The sponsors will be the Chairman of the Committee on Engineering and Living Systems, Professor Murray Eden, and the Committee's executive officer, Dr. Philip A. Drinker. The program will be a broad survey of the many biological engineering research projects currently in progress at MIT.

Although the schedule of future seminars has not yet been fully determined, sponsoring speakers will be primarily MIT faculty who will describe their own projects in some detail. Among the projects which may be discussed are the development of artificial limbs with feedback capabilities not unlike those of the nervous system and the improvement of heart-lung machines.

Functions of Committee

The sponsoring Committee on Engineering and Living Systems was formed two years ago to act as the focus for all engineering-medical research at MIT since these endeavors have no natural "home" among MIT's departments. The committee has a two-fold purpose: To encourage contact between researchers in this field and supervise the development of educational programs for students planning to work in this area.

Gemini 12 film to be shown Fri. by Tech Review

Technology Review will present a 30-minute NASA motion picture of the flight of Gemini 12, including the "space walk" of Ed White. The film, "Buzz Aldrin '63, in Kresge Auditorium, Friday, will be followed by a 20-minute NASA motion picture of the flight of Gemini 12. The program will be shown in the Hayden Auditorium on the campus of the Massachusetts Institute of Technology.

THE TECH TUESDAY, FEBRUARY 7, 1967 Page 9
movie...

Czech film depicts problems of youth

By David Green

The Loves of a Blonde can do nothing but strengthen the already increasing popularity of Czechoslovakian films. In this country, it is in every bit as well done as 'The Shop on the Corner,' and brings with it an interesting comedy and about young people and love, it is bound to be more popular.

Adventures of a blonde

Milan Forman, the director of 'The Loves of a Blonde,' claims that he understands the world of teenagers better than that of his contemporaries: "I like them, understand them, know them, and, if you like, I am biased in their favor. . . . In any case, he shows himself clearly capable of making a beautifully poignant and often amusing statement about the peculiar emotional problems of young people growing up in modern-day Czechoslovakia.

Baroque music concert scheduled for Sunday

Baroque music by Telemann, J. S. Bach, and the French composers Rameau, Boismortier, and Rameau will be performed by the New York Chamber Soloists at a concert in Kresge Auditorium Sunday at 3 p.m.

Distinguished tenor Charles Bressler will sing the recitative in Handel's Cantatas 'Dame de Penthe' joining soloists Geraldine Farrar, violin, Alexander Nasoglio, cello, and Albert Fuller, harpsichord. Mr. Bressler will also perform in J. S. Bach's Cantata No. 189, 'Meteo Scete nubis et praecept.'

Cooper's Concerto No. 5, Delamaray's Concerto in E Major and the Cantata No. 31 of Telemann are also included in the program.

Next week, explore engineering opportunities as big as today's brand new ocean

Talk with on-campus Career Consultant from Newport News—world's largest shipbuliding company—involved with nuclear engineering, submarine building, geophysical exploration, marine automation, all the challenging advances on today's brand new ocean. The New York TIMES calls this "the last earthbound frontier." We're in your area this week to discuss our opportunities for advanced degrees in Naval Architecture, Nuclear Engineering, Civil Engineering, Metallurgical Engineering.

IMMEDIATE ENGINEERING CAREER OPENINGS

Naval Architects
Electrical Engineers
Marine Engineers
Industrial Engineers
Systems Analysts

Mr. Lynn A. Schwartzkopf, GILBERT and SULLIVAN SOCIETY, will be at the Placement Office on Tuesday, February 14, to answer questions, talk over qualifications, and take applica-
Talking Rock
By Don Davis

The top thirty artists and top forty songs of 1966 as chosen in our poll are listed below:

1) Beatles 34
2) Mammas and Papas 20
3) Rolling Stones 25
4) Simon and Garfunkel 21
5)erry Brothers 15
6) Four Tops 52
7) Supremes 113
8) Mamas and Papas 390
9) Bob Dylan 65
10) Four Tops 53
11) Gloria 74
12) Animal 40
13) Homeward Bound 64
14) Animals 40
15) She's So Heavy 69
16) Eight Miles High 70
17) You Can't Hurry Love 71
18) Kicks 73
19) Paint it, Black 74
20) Beatles 394
21) John Lennon 78
22) Frank Sinatra 22
23) Rolling Stones 269
24) James Brown 20
25) Our Lady Peace 21
26) Cyrkle 18
27) Sandpipers 95
28) Sandpipers 15
29) Mothers of Invention 14
30) California Dreamin' 10
31) California Dreamin' 13
32) Townes Van Zandt 15
33) Easy Rider 8
34) Hound Dog 9
35) Don't Ever Have to 15
36) Devil with a Blue Dress On 14
37) Dreamin' 8
38) You Can Have Your Cake 6
39) You Can Have Your Cake 6
40) You Can Have Your Cake 6

Sun Oil Company is a "glamour" company, (That's for you!) At Sun you work on projects as far out as anyone's, in areas ranging from petrochemistry to internal management consulting, from operations research to advanced engineering.

Sun Oil Company is also a very, very stable company, enjoying solid sales and substantial growth year after year after year. At Sun when a "glamour" project is completed, it's people aren't. There is always a new project to move to, to contribute to. And a new, higher position to fill. That's where you come in. If you're the kind of individual who wants to be right in the thick of things... who doesn't think it's old hat to work your way to the top. We cordially invite you to find your place in the Sun, in a permanent or summer position. Visit your placement office now to schedule an appointment with our representative on campus. If you can't meet us on campus, we'll send you employment information. Just drop a note to: Personnel & College Relations, Dept. H, Sun Oil Co., 5000 Walnut St., Philadelphia, Pa. 19104.

Sun Oil Company
An equal opportunity employer

John Gielgud, Irene Worth give Shakespearean recital

Sir John Gielgud, the noted British actor, and Miss Irene Worth, as seen in their performance, 'Man and Women of Shakespeare,' presented in Kresge Auditorium January 17.

M. A. Greenhill in association with Club 47 presents

Tom Paxton

Sat. FEB. 11 8:30 p.m.
$4, $3, $2

JORDAN HALL
KE 6-2412
30 Gainsboro St., Boston

At Sun Oil Company you can have your cake...

and eat it, too.

We'll be on campus
Thursday, February 22

CAMPUS INTERVIEWS MONDAY, FEB. 13

IMPROVED MACHINERY INC.

MECHANICAL ENGINEERS
B.S. or M.S.

Professional Development

You will find expanding horizons and career fulfillment at IMPCO. All the knowledge you have gained at school will find practical application; working with top engineers your technical competence will rapidly increase. Your assignments will be broad in scope, with total project involvement. You will assume responsibility in machine design or project engineering as rapidly as you demonstrate capabilities. Some assignments require special interest and background in hydraulics and mathematical analysis.

... is an international leader in the design and production of machinery for the pulp and paper, and plastic molding industries — a solid company with outstanding growth rate and heavy non-defense commitments. Modern, well-equipped facilities in a spacious 63-acre site.

Both at work and in your personal living, New Hampshire offers room to breathe, room to grow. No state sales or income tax, low insurance rates. Incomparable recreation area in your backyard, yet Nashua is only one hour from the cultural and entertainment centers of downtown Boston.

A company representative will be on campus
MONDAY, FEBRUARY 13
Please contact your Placement Director for interview appointment.

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US Army Field Jackets 4.98

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BOOTS & TYROLEANS
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* Indicates used in the Armed Forces
Dear Mr. Hill:

The fundamental concern expressed in the headline above has been voiced in one way or another by all six students taking part in our current exchange of views on business. Because it is an issue of such common concern, I am going to respond in the same manner to each of you.

We would agree, I believe, that there are instances in which seniority, prejudice in some form, nepotism, or personal chemistry have been influential to an unjustifiable degree in advancing or hindering careers in business, in government, in education. This shows human frailty; it is neither unique nor dominant in business. We must combat this for the general improvement of society and we will be assisted in our task by the fact that inadequacy in any position of leadership tends to catch up with its owner.

Meanwhile, the great burden of evidence supports a conviction that business is structured for the recognition of individual merit.

There are thousands of executives in American business today who made their mark before they were 30. Many before 40. I want to tell you about one of those executives. His name was Charles H. Percy—the company was Bell & Howell—and he is open to answers, and forward a copy for further action where needed. The manager also agreed that Percy had knowingly eliminated his own job.

This intrigued Percy's boss (jobs were scarcer than they are today) and he told Bell & Howell President Joseph H. McNab about "this enterprising kid down there who has worked himself out of a job." Mr. McNab said, "That's a young man we should keep an eye on."

Chuck Percy did not wait for the final measure largely upon the individual. He worked in the company's service department. He answered complaint letters.

It was a small department (there weren't too many complaints) and the college student spent about two weeks doing exactly what he was paid to do: read letters, find the problem, write answers which gave the solution. This is the way the job had always been done, no matter who sat at that particular desk. Gradually, however, this particular answer-writer (his name was Charles H. Percy—the company was Bell & Howell) began to see patterns emerging in the customers' letters. With few exceptions, he realized, each letter fell into one of perhaps nine categories.

Percy took a bundle of letters home that weekend, sorted them out on the floor, and began to compose a group of specific, carefully thought-out letters of reply. He checked and rechecked each letter against each proposed answer letter and against all the other answer letters. He found that, sure enough, he now had created a series of answers which gave full and courteous reply to almost every customer letter in the bundle.

On Monday morning, Percy checked the morning mail against his new letters and, when they, too, checked out, he took the whole bundle into the service department manager's office.

The service manager heard Percy out, checked the letters in the bundle, and agreed: a secretary could sort incoming complaints by category, type the answers, and forward a copy for further action where needed. The manager also agreed that Percy had knowingly eliminated his own job.

This story starts with an 18-year-old student of business who made their mark before they were 30. Many before 40. I want to tell you about one of those executives. His name was Charles H. Percy—the company was Bell & Howell—and he is open to answers, and forward a copy for further action where needed. The manager also agreed that Percy had knowingly eliminated his own job.

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Chuck Percy went to work full-time for Bell & Howell after he graduated in 1941. He was elected president and chief executive officer at 29. The company's sales increased twelvefold under his leadership. Today, at 47, he is a newly elected United States senator. Counting his summer jobs, he has worked for Bell & Howell for 28 years.

I do not contend that every college student can duplicate the Percy story in whatever career he chooses. I do submit, however, that your own version of this story will start when you start to apply your individual creativity to your first job the way he did to his.

Answering complaint letters can be a routine job for a routine sort of fellow. Come at the job with creativity, however, and you can lift it from the humdrum. You can even eliminate the job—and there aren't many more forceful ways to show that you are ready for a bigger job than to eliminate your present one.

Note also that here was a man who achieved job fulfillment, recognition, security, advancement, individuality, a chance for creativity—all the things today's college students want from their working lives—and he achieved them all within the business structure.

Society itself has a structure. All elements within society have structures. These structures generally work for the good of the individual, not for his harm—and the degree to which this is so depends in the final measure largely upon the individual.

Chuck Percy did not wait for chance recognition—he earned his early recognition by his own creative vision, imagination, and action.

The fastest route to a job of fulfillment, recognition, security, advancement, individuality, a chance for creativity—all the things today's college students want from their working lives—and he achieved them all within the business structure.

This two-way conversation is open to you.

Have you questions or opinions about business as a possible career or as a force in society? I have reactions (pro or con) to this series of open letters between Jim Hill, a student at Harvard, and Robert W. Galvin, chairman of Motorola Inc.? Letters like this one have appeared regularly in 29 student newspapers throughout the country since October. You are invited to make your feelings known, too. Write Mr. Galvin at 9401 West Grand Avenue, Franklin Park, Illinois 60131.
Study of solutions still an enigma to scientists

Dr. John B. Clark, post-doctoral fellow at MIT's Department of Biology delivered the first in a series of lectures to be presented at the Graduate School, Division of Biophysics, at Ohio State University. Dr. Clark's lecture was entitled "How Large Molecules Go Into Solution," and showed the complexity of analyzing even the most simple water solution.

"We don't understand just what water does in a solution," Clark said. "But it is a fact that one of the big problems in studying large molecules is the technological limitations imposed by water in solutions." He is currently studying the way in which macromolecules found in biological systems change their structure when in contact with various solvents.

In order to study macromolecules insolvents, an ultracentrifuge was employed. An ultra-centrifuge can produce a force set-up to 300,000 times the force of gravity, and when a solvent is subjected to this, its components separate, making it easier to analyze.

When we say we want people for the outer limits, this isn't what we have in mind.

Forget science fiction. We're talking about the "outer limits" of technology. And these days it can be even more exciting than science fiction.

Right now IBM needs qualified men and women to help reach these outer limits. The kind of people who have made IBM the leader in today's fast-growing field of formation handling and control. And the kind of people who can grow with us as far as their talents and abilities allow.

The result? Greater personal responsibility and recognition; the dual satisfaction of personal achievement and continuing personal rewards. A pretty satisfying result.

Job opportunities at IBM are in six major areas: Computer Applications, Programming, Finance and Administration, Research and Development, Manufacturing and Marketing.

Whatever your immediate commitments, whatever your area of study, sign up now for an on-campus interview with IBM, February 28, March 1

If, for some reason, you aren't able to arrange an interview, drop us a line. Write to: Manager of College Recruiting, IBM Corporation, 200 Madison Avenue, New York, N.Y. 10022. IBM is an Equal Opportunity Employer.

Popular music poll

Votes unaffected by sales

(Continued from Page 11)

The figures after the name of the songs and artists are the total number of ballots on which they were mentioned. 1183 ballots were marked with three songs from 1966, while 306 contained the names of three artists. "Younger Girl" was not among the sixty-eight listed songs on the ballot the first day; its votes the last four days are factored up proportionately to account for this.

The voters seemed underpressed by sales records for songs, as seven of the sixteen records which sold over one million copies failed to make the top forty. These were in order of finish in the poll: "Those Boots are Made for Walkin'," "Sunny," "Strangers in the Night," "Last Train to Clarksville," "Witchcraft Catches," "Tell Real Riding Hood," and "The Ballad of the Green Berets." Instead, the emphasis in the poll seemed to be on quality with a great folk music influence. Rhythm and blues performed poorly, as did last year, with "You Can't Hurry Love" (1f) and "Reach Out" (14). The only Negro songs to make the top forty: they made the top ten almost everywhere else.

Convincing lead

The 45 vote lead of "California Dreamin'" was convincing but not so much as the 87 vote which " Satisfaction" polled in 1965. "California Dreamin'" could only poll 26% of the vote as compared to 27% for the Rolling Stones' big hit of 1965. Recent songs such as "Devil with a Blue Dress On" and "Born Free" probably performed better than they would have if the poll were conducted six months hence.

The most exciting part of the poll was the close race between the Beatles and the Manassas and the Pogues, the former finally edging out a four vote victory. The strong showing made by underground groups such as the Blues Project and Jefferson Airplane, although they have had virtually no hits, was unprecedented.

"Nowhere Man," "Saw Her Again," and "Reach Out" (24) the only Negro songs to make the top forty. These were rated fourth, sixth, and second respectively in their categories.

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Consider the advantages of a career in the laboratories of the David Taylor Model Basin.

Opportunities exist for qualified graduates in:
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- AEROSPACE ENGINEERING
- MATERIALS ENGINEERING
- ELECTRONICS ENGINEERING
- CIVIL ENGINEERING

The David Taylor Model Basin, a center of excellence among government research activities, is growing steadily in size and responsibility. The various laboratories conduct basic and applied research, testing and development in:

- Hydromechanics—Fluid dynamics, seaworthiness, ship maneuvering, ship powering, hydrofoil craft, novel ship types, cable-towed devices.
- Aerodynamics—Aircraft, missiles, V/STOL aircraft, wind tunnel research, concept design.
- Structural Mechanics—Surface ship and submarine structures, underwater explosions research, ship and personnel protection, hydrofoil craft.
- Applied Mathematics—Computer-aided ship design, management data analysis, information retrieval systems, numerical techniques, fluid flow analysis, computer systems science and technology.
- Acoustics and Vibration—Radiated, near-field, far-field, and hydrodynamic noise, noise transmission, contoumeasures, silencing devices, signal processing, sonar systems.
- Ship Concepts Research—Programs such as those under way for Surface Effect Ships and Hydrofoil Development, which combine investigations of the above fields from advanced concepts for new vehicle systems to engineering development for the Navy of the future.
- Central Instrumentation supports laboratory research by providing state-of-the-art measuring and control equipment.

An engineering or scientific career at the David Taylor Model Basin offers you many advantages:
- Participation in research, development, test and evaluation as an active and increasingly important member of the staff.
- Satisfactory and stimulation derived from working on projects that are of national and international importance.
- Working side by side with engineers and scientists who have earned unusual professional stature in their fields. These contacts will be of immeasurable value to you in your own professional development.
- You will work in a 186-acre campus-like environment, in an installation valued at $74 million. For example, these modern resources include: A comprehensive range of large capacity hydromechanics facilities; a powerful time-shared computer system; a full range of wind tunnels; the most modern equipment for pressure and load testing, and a wide range of testing facilities for acoustics and vibration study and analysis.

Reimbursement of all travel expenses.

- Excellent on-the-job training, plus opportunities for further professional development, with financial assistance for after-hours or full-time advanced study on full salary.
- Advancement based on achievement—you can pass the $12,500 mark in 3 to 2 years.
- As a career Civil Service employee, you enjoy generous vacations and sick leave, inexpensive life and health insurance, and an unusually liberal retirement.
- Washington, D.C., is a center for scientific research, and of unusual cultural and recreational opportunities.

Excellent living conditions.
- Excellent public schools and colleges are located in the Washington, D.C., area.

To apply, send your resume to Mr. S. DiMaria, Professional Recruitment Officer, Central Instrumentation, David Taylor Model Basin, 6800-8, 6800-9, 6800-17, c/o THE TECH, 20700 An Equal Opportunity Employer.

CAMPUS INTERVIEWS
February 8

DAVID TAYLOR MODEL BASE

Washington, D.C. is a center for scientific research, and of unusual cultural and recreational opportunities.
Crying did not help,” the boy remarks in the first chapter in the strangely detached tone which the reader comes to expect—for the child considers his torturers’ cruelty to be normal human behavior. Eventually he learns to defend himself, but many years of suffering leave him to conclude, “Man carries himself in his own private war, which he has to wage, win or lose, himself...”

Alone and expendable. After six years of separation, the boy is reunited with his parents. It could hardly be construed as the happy ending, though, for the years have left some indelible marks upon his thinking. Even as the book is drawing to a close, we find this ‘child’ looking indulgently upon a man in prayer, amazed that a grown man could still not understand that “everyone of us stood alone, and the sooner a man realized that all [men] were expendable, the better for him.”

We aren't looking for people who are looking for the life of an organization man.

We aren't looking for people who get along by going along.

We aren't looking for people who tell the boss he's right when they know he's wrong.

We're the sixth largest industrial corporation in the country.

We'd like very much to be fifth.

And we figure the best way to make it is to hire people who aren't satisfied until they find them.

Right now, we need some engineers, geologists, chemists, geophysicists, financial analysts, accountants, sales representatives, programmers and systems analysts. And we're looking for good people in various other fields.

We'll be coming to your campus soon.*

If you're looking for the same things in a company that we're looking for in a person, we'd like to talk with you.

It doesn't matter what sex, age, religion or color you are.

Just so you aren't gray.

Mobil.

*February 20 and 21 are the dates. Your placement or guidance counselor can tell you the time and place.
Six art classes offered for spring

Six art classes oriented towards beginners will be offered in the Student Center Art Studies during the spring semester. No previous art experience is necessary. Students interested in joining any of these classes are urged to come to the meeting Thursday, at 7:30 in the Student Center Studio, room W28-425. The instructor will be on hand to answer questions about the classes. Registration forms will be available then and throughout that week. Students who register will receive first preference in registering, but others at MIT may join the classes if space is available after the first week of the classes.

In addition, students and other members of the MIT community can use the equipment and materials available in the studio during non-class time by paying a five-dollar semester fee. For this privilege, Mrs. Luft should be contacted in room W20-120 at x7979.

Three Lecturers Invited

Other activities in the studio include an exhibit of paintings from February 26 to March 12, work done by students and the teaching staff and talks by three invited speakers. Peter Benjamin will present a program on film making February 26; George Lockwood will speak on print making March 12; and Gordon One will lecture on portraiture April 10. Films on art and artists will be shown once a month in room W39.

This year, the major part is for strengthening the teaching of science and engineering, particularly at the undergraduate level. When Du Pont's program was started, the grants were made primarily for university research. During recent years, however, the goals of the program have broaden considerably. This increased support and encouragement of teaching is intended to balance the increasing emphasis on research and development in the universities.

Why become an engineer at Garrett-AirResearch? You'll have to work harder and use more of your knowledge than engineers at most other companies.

If you're kind of engineer, you have some very definite ideas about your career.

For example:

You've worked hard to get a good education. Now you want to put it to work in the best way possible.

You will never be satisfied with run-of-the-mill assignments. You demand exciting, challenging projects.

You not only accept individual responsibility — you insist upon it.

Dose that sound like you? Then AirResearch is your cup of tea.

Our business is mainly in sophisticated aerospace systems and subsystems.

Here, research, design, and development lead to production of actual hardware.

That means you have the opportunity to start with a customer's problem and see it through to a system that will get the job done.

The product lines at AirResearch, Los Angeles Division, are environmental systems, flight information and controls systems, heat transfer systems, secondary power generation systems for missiles and space, electrical and control systems, and specialized industrial systems.

In each category AirResearch employs three kinds of engineers. Preliminary design engineers do the analytical and theoretical work, then write proposals.

Design engineers do the layout; turn an idea into a product. Developmental engineers are responsible for making hardware out of concepts. Whichever field fits you best, we can guarantee you this: you can go as far and fast as your talents can carry you.

You can make as much money as any engineer in a comparable position. After all,开 course, at AirResearch, you'll get all the plus benefits a top company offers.

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By Paul Baker

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Courtemen upend Bates, lose to Colby, Wesleyan

The matmen pounded WPI, 33-14, and Yale, 58-7, to complete the scoring.

Each of the five starters, Wheeler, Vliet, Dunlap, Von Waldburg and Dave Babcock, finished with points to knot the score 62-62.

Bill MacLeod '69 placed first and second in the long jump. The lone victory for the Engineers was registered by Art Von Waldburg '68.

Confronted by a full slate of competitors,网通体育, the matmen were out-decked 54-40 by Bates. The Beavers won two races, Bromfenbrenner in the 200 yard butterfly and 200 medley, and babcock in the 200 freestyle and 200 breaststroke.

Fencers edged

The squash team split its two remaining League matches, 8-2-2, and 7-2 to Bowdoin, while the swimming and diving teams bowed to their opposition.

In their second game of the season, the Engineers' inexperienced pole-vaulters yielded two goals in the closing minutes of the third period, losing 43-38 to Brown.

The Engineers tallied 14 points before exams, freshmen teams participated in nine games, coming a 3-6 won-lost record.

Individual winner, clearing 13-6 in the diving. Bob Rorsbach, Steve Sydoriak '67 and Jim Reid '68 placed first and third in the pole vault, to round out the scoring in the field events.

Women's edged

In a tight meet with Colby, the Engineers showed a-87-32, the Engineers scored 20 goals, including 20 points to knot the score 62-62.

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Lose to Amherst

Swimmers nip Wesleyan

Tech swimmers, led by Mike Crane '67, edged Wesleyan 48-47 in their toughest meet to date. Saturday, Jan.?1, but the
men went on to lose badly to Amherst last Saturday, 72-26.

Mike Crane was bacterially infected
with 490-yard medley relay due to a
Tech disqualification by a "false
start and continued to remain in the
lane until the last time was called. In
the 200-yard freestyle, Lee Dilley '89
and Bob Crane '89 finished first and
second. In a tremendous race
Dilley placed second behind Preston.
MTF was still alive for the final relay. Dilley, Crane, Stage, and John McFarren '88
broke the 400-yard freestyle relay rec
cord by three seconds in 3:23.

Loan to Amherst

The men's did, but fame so
well against Amherst. The engi
ners assumed only one first place
which came from diver Dan Get
try.

Dilley placed second in the 200
yard freestyle behind Amherst's
Philippe, who won the event.

Crane and Merrill finished two
thirds in the 50 free. Clare placed
second in the 200-yard freestyle,
unofficially breaking an MTF record.

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The Wilderness Ski Area
The Balsams - DIXVILLE NOTCH, N.H.
Bridge tourney to be held here; three pairs qualify for nationals

The 1967 Northeastern Intercollegiate Bridge Tournament will be held in the MIT Student Center during the weekend of February 25-26. A two-session pair event will be played Saturday, February 25, with a consolation team championship the next day. Entry fee is $1.50. For further information, contact Mark Thompson, M.S., Eliot House, Harvard University.

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Grapplers tie for third in quad

By Arne Vartetevossen

In the last two weeks, the varsity wrestlers competed in two New England conference dual meets, winning both, and tied for third in a quadrangular meet with Springfield, Franklin & Marshall, and Amherst.

In the quadrangular, held at MIT last weekend, the Tech tied for third with Amherst with 13 points. Springfield took the meet with 35 followed by the Franklin & Marshall team with 31.

Gregg Erickson, 1960, wrestling at 178, won his first two matches, first to Warren Long of Amherst, 11-2, and then to Blake Ames of Franklin and Marshall, 7-2. Jack Maxwell '68 lost his first contest to John Fournier of Franklin and Marshall, 6-1, but came back in the second round to pin Steve Simmons of Amherst in 3:32. Jack lost his final round to Tom Show of Springfield, 11-4. At 160, Jack Wu '68 won his first round match against Harvey Kaitman of Amherst, 52, but lost his next two matches. Jack came out on the short end of a 5-7 squeaker, losing to F&M's Dick Krause on riding time. In the final round, Jack lost to J. W. Fishback of Springfield, John Fishback '68, lost to Dave Mart of F&M, 4-3, and to Amherst's John David- son, 11-6. Julian Schroeder '68 lost his first match, 15-4, to Jim Frampton of Franklin and Marshall, and then beat Amherst's Pete Dvorak '68. In the last two weeks, Wu dropped two decisions, Julian came up against Clair again, and lost 8-1. At 187, Hank DeJong '67 won his first match over New Hampshire's Larry Lesina, but lost his next two matches over Larry Lesina of Amherst. Hank dropped his next three matches, losing an 11-4 decision to F&M's Steve Leonard, and losing 6-4 to Springfield's George Polis- ka. Keith Davies '68 wrestled 177 for MIT, and in his first match against Joe Viola '69, was eliminated in 5-20. In the second round, Keith was pinned by Dave Kriskie- ter of F&M in 4:30. After pinning Julian Schroeder '68 in 4:31, Keith once again came up against Kriskieter, and lost a decision. An escape by Kriskieter in the last 40 seconds decided the match. Freshman Fred Andrea wrestled heavyweight, but lost the match. He could not collect enough points in the final tally. Fred defeated both his opponents easily, taking a 6-0 decision over AmHERST's Kim DeRiel, and a 10-0 decision over F&M's Dave Lehman.

WANTED

Computer Engineers

The WPJ win came on the heels of a defeat of Wesleyan, 21-14, leaving Tech as yet undefeated in New England dual meet competition. Outstanding in the Westpoint meet was Bill Harris, who took an easy 9-0 decision against Dave Patrice with a takedown, near fall, and reversal added to 2 points riding time; Jack Wu, who pinned Dan Gray in a cradle in 5:59 of the 132-pound match; and Dave Schramm, with a 3-0 decision over Dartmouth's Keith White.

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With a nine-game winning streak, the Cagers have held their season record to 13-3. In the last six games, the engineers have defeated Harvard, Brown, Yale, Colby, Colgate, and Hamilton. In the New Hampshire game, Alex Wilson '67 scored 23 points to bring his three-season total to 896 and break the school record. And, it was recently announced that graduated student John Talen '70 received the weekly Eastern Collegiate Athletic Conference Honor Division All-Star team on Wednesday.