**Dr. Bush Defines The Scientist’s Relation To Society In Interview**

What, why, and how is a scientist? Even now, after the publicity that has been accorded the research and development men in this country, scientists and engineers still remain relatively misunderstood 

**Dover Club settles in Brighton House, remodeling in progress**

This week numbers of the Dover Club are moving into their new home in Brighton. The Dover Club is a group sanctioned at Interfraternity Council as an independent living group. They are officially recognized as a colony of Zeta Beta Tau. Xi chapter of ZBT existed at MIT from 1911 to 1926. Dover Club was founded in 1938 with the intention of reinvigorating the local chapter. The members in receives an acceptance letter in a fraternity in three years. The house is located at 2018 Commonwealth Ave., very close to Boston College. It is about a twenty-minute drive from the Institute. Although they live far from the campus, the members feel that their location is not a great handicap, for many students do not return to their homes during the summer periods. Furthermore, they feel that advantages of the house far outweigh inconveniences in transportation.

The house is colonial design, built of red brick with white trim. It was constructed in a replica of John Hancock’s home. Last year the house was occupied by ZBT’s Boston University chapter. When the chapter disbanded, the house was made available to the public. Dover Club rents the house from its present owners.

**Mathematical Analysis of Weather Wins Losey Award for Dr. Charney**

An MIT meteorologist has been honored by his fellow scientists for his "outstanding contributions to the field of meteorology." The award went to Dr. Jule G. Charney, professor of meteorology, for his "outstanding contributions to the field of meteorology in recent years." The award was given by the American Meteorological Society on January 28.

**Orientation Program to Assist Freshmen in Selecting Career**

In order to better acquaint the Class of 1958 with the many professional courses of study offered by the Institute, a special series of lectures on the subject of careers, faculty, and advice. The session is being offered by the Freshman Advisor Committee in cooperation with the Department of Career Development. The program will be open to interest seniors and juniors. To this end, we feel that every student should take advantage of the opportunities presented to them. The program will be offered on a voluntary basis, and we urge all students to take advantage of this opportunity.

**Dr. Bush expresses concern over the general acceptance of scientists by the public.**

He feels that the public’s view of the scientist is based on a misunderstanding of the scientist’s role in society. He asserts that the scientist is a person who is not only a contributor to the scientific community, but also a member of the public. He believes that the scientist should be a role model for society, and that society should take an active interest in the scientist’s work.

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**The City of Cambridge has levied property taxes for the sale of the real estate required under the lease.**

The policy of the Redevelopment Authority is to attract industry which will make use of the research facilities and bring employment to the area.

**Seniors find rough going as recession takes drastic toll of placement offers**

Job offers for Seniors have dropped off considerably from past years due to the mild recession which the whole economy is experiencing. Thomas H. Harrington, head of the placement department, reports that there have been, on the average, about one and one half offers for each acceptance this year versus an average of about four offers for each acceptance last year.

**Oral Histories and the importance of understanding the past**

As Dr. Bush explained, "A human being is a most fascinating creature, of whom the world is full. He is attempting to learn the way in which nature operates. The scientist uses the scientific method to investigate this nature and to understand it, is a thing of beauty."
It's a good thing Mondale isn't alive today. He would be out of a job. There are still many things worth pummeling with satire but for some reason either nobody feels up to it or nobody cares. While the modern Valaure of the Baltimore Sun papers poked fun at Woodrow Wilson's home-spun morality, except during college vacations, by THE TECH, Walker Memorial.

Baltimore Sun papers poked fun at Woodrow Wilson's home-spun morality, except during college vacations, by THE TECH, Walker Memorial.

VOL. LXXVIII February 11, 1958 No. 1

The current view of the Bill of Rights is perhaps the best indication of this century. Secular conservatives have repeatedly overstated the limits of common law in interpreting the Bill by disqualifying certain individuals and groups from its protection. The liberals have made the questionable urge of demanding strict adherence to the literal truth of the Bill that suits the public mood.

Our fundamental beliefs are to be examined. The solution, however, does not lie in dogmatic and unyielding insistence on their most cherished and long-held beliefs.

Before you can laugh at your idols, you must set them up. Of course the "Eusebius myth" and the "American-Way-of-Life" make fine idols. And perhaps they are somewhat valuable as such. But when the general public takes with sociological seriousness something is wrong. It is autobiographic that the more certain a man is of his ideological possessors the better. The fact is that many get a new life in these beliefs. They have the best anecdotes about their saints. The susceptibles with uncritical seriousness there is something wrong. It is difficult to describe, but near death or else not easily forgotten.

If the rest of the quartet was interesting, Joe Morello on drums was amazing. He stole the show from the rest of the quartet. He has an excellent sense of rhythm, and can keep a perfect beat when necessary. Of course there will be more to be a good drum jam than just keeping a beat. He has a sense of humor. In one of the Brubeck arrangements, for example, while he said Dave were playing cut-and-wool, with the audience as mice. Brubeck would play something, a chord sequence or a phrase, or just a single chord, then Morello would take something, then Brubeck again, then Morello—each time something a little different: an offbeat accent, a slight modification, a different rhythmic effect. More than once the audience laughed out loud at some of these tricks; Morello led them along perfectly. It was quite strange and quite entertaining. No one would have thought that there was still another side to Joe Morello, whose drumming frequently spurred the others on.

The quartet's arrangements were marked by an alarming paucity of ensemble work. The individual musicians, except Morello, whose drumming frequently spurred the others on, played patiently behind, not in front. Joe Morello, whose drumming frequently spurred the others on, played patiently behind, not in front. Dave didn't seem to take part in the music. It is difficult to describe, but near death or else not easily forgotten.

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Brubeck was his usual masterful self. The occasional counterpart between him and Desmond, in the opening selection in particular, was nicely woven; his rhythmic, harmonic, and melodic variations seemed endless.

Paul Desmond was also excellent, as usual. However it does seem a pity that his instrument is the alto saxophone, an instrument which seems to me to have a rather unpleasant sound. Whether or not this is due to the fact that when a child I suffered a severe traumatic shock because of this ungainly instrument, I can not at all times either see Mr. Desmond's tenor to put it against an instrument—any other instrument—definitely, perhaps. I'm sure he could put a wider range and greater variety of tone color to good use.

Gene Wright, on bass, did very well for himself, for a first concert appearance. His very extended solo (in "These Foolish Things") was quite good; it even warranted a few words of praise from the master himself. Another thing noticed was that Gray seems to have picked up the same habit that Lionel Hampton was noted for some years ago, especially noticeable when Hump played the old BG quartet. That is, a "wait" sound that is made in time with the music. It is difficult to describe, but near death or else not easily forgotten.

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AT STOKE—Concert of all hits, 4:45 a.m., door prices sk5.00.

AT FEB—(Including the music of the late Dr. Tchaikovsky), the quartet's intention is, as it is the intention of any jazz group belonging "progressive," to widen the scope of jazz by building upon creative thoughts, traditional concepts, and the musical forms (top) first displayed by Larrie Young, (tenor soloist then with Count Basie's band) and developed by the quartet. By the late lato soloist Parker and trumpeter Bottom Gilbert, the Brubeck Quartet will never fully realize this ambition until the person with a personality comparable to the individuality and integrity of its members.

The Brubeck quartet must be seen to be fully appreciated.

For instance, the bit of interaction between Miles and Brubeck was something which is impossible to get fully from a record. If you have an opportunity to see the quartet, by all means do so. It's an experience that ought not be missed.

"I'll have another try."

Squash Rackets

All Prices — Large Variety

TENNIS & SQUASH SHOP
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M.I.T. Choral Society presents
MARAISHA UDIDA Balladour
Valentine's Day Concert
FRIDAY, FEB. 14 8:30 p.m.
BREDDIE ADKINSON M.I.T.
Ticket—est. 2.95
$3.50, $2.50 reserved; $1.90 unreserved

M.I.T. Humanities Series presents CONCERTINO by Gregory Traylor, with the New World String Quartet, Thursday, February 10, 9 p.m., Memorial Auditorium.

SACCO—An Entertainment with Poems by Edith Sitwell and music by William Walton. Saturday, February 15th, with members of the Symphony, Kness Ugnei, one of the finest quartets in the world.

SUNDAY, FEB. 16 3:00 p.m.
Memorial Auditorium
Tickets are available from the Office of Student Activities, Room 14-2286, M.I.T.

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Biophysicists Gather At MIT For Second National Conference

The second national meeting of a newly formed scientific organization that is devoted to the use of physical and chemical science for research and development, was held at the Massachusetts Institute of Technology last week. Members of the newly formed American Institute of Biophysical Science (AIBS) gathered in Cambridge organized only ten months ago, broadened from 200 technical papers during the second day of the "Biophysical Society's Symposia on Functional Aspects of Biophysical and Molecular Processes," in addition to the scientific sessions, the AIBS also devoted three days to special workshops and meetings on the problems of "Theoretical and Biophysical Approaches to Biophysical Science." The meeting was held at the Massachusetts Institute of Technology in Cambridge, Massachusetts, and was attended by over 800 participants.

The meeting was organized by the Biophysical Society, which is a national scientific society that is concerned with the advancement of the science of biophysics. The society is made up of scientists from a wide range of disciplines, including physics, chemistry, biology, and medicine, who are interested in the study of biological systems.

The meeting included a variety of scientific sessions, workshops, and discussions on a wide range of topics, including the theoretical and biophysical approaches to biophysical science. The sessions were attended by over 800 participants, and the meeting was held at the Massachusetts Institute of Technology in Cambridge, Massachusetts.

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Advanced Study Program: The Lockheed Graduate Study Council offers qualified students the opportunity to earn advanced degrees while employed in their chosen fields at Lockheed Missile Systems. Eligible students must be U.S. citizens holding B.S. or M.S. degrees in engineering, mathematics, or science applicable to missile systems research and development.

Opportunity to Advance: As greater emphasis is put on missiles' role in our defense, our missile projects will continue to expand. Thus your opportunities to move rapidly ahead are increased.

Facilities: A multi-million dollar research and development laboratory featuring one of the West's largest computer centers and a powerful new Van de Graaf atom smasher, plus a 10,000 sq. ft. space communications laboratory are but a few of the extensive facilities at Palo Alto and Sunnyvale. Both locations are near Stanford University and less than an hour's drive from San Francisco.

Company Position: Though young as a division, Lockheed Missile Systems' contributions place it among U.S. leaders in the advancement of missile technology.

We invite you to contact your Placement Officer for an interview appointment with us during our visit.

The Tech

TUESDAY, FEBRUARY 11, 1958

ENGINEERS
SCIENTISTS
MATHEMATICIANS

Members of our Technical Staff will be on campus
MON., TUES. & WED., FEB. 17, 18 & 19
to discuss the advantages to you of a career with
LOCKHEED MISSILE SYSTEMS

Test your personality power

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1. Do you think automation will ever take the place of the pretty secretary? YES NO

2. Do you read science-fiction comic books to keep up with your science professors' views on the space age? YES NO

3. Do you think marriage should necessarily void any of science he speaks with a voice of authority? YES NO

5. Do you think good manners in a man are old-fashioned? YES NO

6. Do you think rockets will ever outdo Hollywood in launching "heavenly bodies"? YES NO

7. Do you think of Monroe only as the 5th President of the United States? YES NO

8. Do you prefer Bach to Rock? YES NO

If you answered "No" to all questions, you obviously smoke Camels - a real cigarette. Only 6 or 7 "No" answers mean you better get on to Camels fast. Fewer than 6 "No's" and it really doesn't matter what you smoke. Anything's good enough!

But if you want to enjoy smoking as never before, switch to Camels. Nothing else tastes so rich, so mild. Today more people smoke Camels than any other cigarette. The best tobacco makes the best smoke. Try Camels and you'll agree!

Have a real cigarette - have a Camel

(Continued from page 1)
Tucker's "Concertino For Chamber Orchestra" To Be Premiered In Kresge On Sunday; Influenced By Jazz

The MIT Community will have the opportunity this Sunday to witness the premier performance of a work by an accomplished musician when Mr. Gregory Tucker, as MIT homestudio lecturer currently living in Italy, returns to present his "Concertino for Chamber Orchestra" for which he himself will be the pianist. Manufacturing a graduate of the Conservatoire National des Beaux-Arts in Paris, Mr. Tucker has served on the music faculties of Bennington College, the Longy School of Music, Wellesley College, and Harvard University. He came to MIT in 1964, where he has lectured in music while continuing to compose and give concerts.

Last year he was invited to a Guggenheim Fellowship for musical composition, which he has chosen to live in Rome with his family, devoting all his time to composition.

Mr. Tucker's first compositions at Bennington were chiefly works for dance and dance-drama; one of the plays for which he arranged the music of that time, "The King and the Duke," was presented at MIT last year. In recent years he has written numerous songs and chamber music. Four of his compositions were premiered at the Bennington Conference in 1966; "Sextet for Cello and Wind Quintet" theSummer for Songs by Tennor, Clarinet and Piano" Meantime Mr. Tucker has made a number of commercial recordings as pianist soloist and composer-pianist.

"In the Spirit of Jazz"
The concert to be presented this weekend uses the chamber orchestra primarily as an individual voice, rather than a harmonious collection of individual voices played as a single instrument. The concert included the work "Concertino for Chamber Orchestra." His Sunday afternoon at Kresge Auditorium, he said, "They are primitive, conscious only of the beat; a room full of 'vita' is the scant place to listen for the true value of the music. It should stir one to contemplation, not action."

Mr. Tucker feels that Beethoven and the others are becoming simply arrangers, not true jazz artists. "Modern jazz," he said, "has the life arranged out of it." Eilsham, as a form of Jazz, is simply a "rune piece of History," and today's just a reminiscence. In regard to the modern American Jazz, he said, "They are primitive, conscious only of the beat; a room full of 'vita' is the scant place to listen for the true value of the music. It should stir one to contemplation, not action." He remarked that Jazz is taken as an art in Italy, just as in classical music. In addition to "Concertino for Chamber Orchestra," another work, "Three Pieces for Flute and Piano," is soon to be premiered in Rome. A practice is being conducted today in New York to adapt his arrangements to a new era; the publishers of "Euphonia" are "rune piece of History.""Facade" to be Co-Produced
The other work on the program will be "Facade," an entertainment written by Edith Sitwell and music by William Walton. It will be performed by Neumo Tucker, violin, and members of the Boston Symphony Orchestra. Tickets for the afternoon concert are available at the MIT Music Office, Room 14-N236 for $1.75.

**BELL TELEPHONE SYSTEM**
Opportunities for Majors in Physical Sciences • Engineering

Representatives will be on the Campus Wednesday, Thursday and Friday, February 12, 13 and 14.

**BELL TELEPHONE LABORATORIES**
Research and development in electronic communications, electronics, microcontrols, acoustics, switching systems for the Bell System, and National Defense projects.

**OPERATING TELEPHONE COMPANIES**
Engineering, construction, operation and maintenance of communications facilities. The following companies will be represented on the campus:
- New England Telephone and Telegraph Company
- New York Telephone Company
- The Southern New England Telephone Company
- American Telephone and Telegraph Company
- Long Lines Department

Applications will be interviewed for other regional operating companies in the United States and Canada.

**WESTERN ELECTRIC COMPANY**
Research and development of the apparatus, distribution of equipment and supplies for the Bell System and national defense projects.

**SANDIA CORPORATION**
Research and development in electronics, acoustics, physics, and mathematics in nuclear weapon systems.

Please make arrangements for interviews through your Placement Office.

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February 14-15, Friday eve. and all day Saturday at Skudy Hill School, Cambridge

Lectures, panels and group discussion, featuring:
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- FREDERICK SCHUMAN, Professor of Government, Williams.
- STEPHEN G. CARY, Secretary of American Section, American Friends Service Committee.

JAMES P. WARBURG, Director of American Academy of Political and Social Science

Conference fees: $3 (students $1.50). Lunch 85c, supper $1.15. Advance registration must be made. Detailed program sent on request. American Friends Service Committee, New England Region, F. O. Box 247, Cambridge 33, Mass. U.S.A.

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A wide variety of positions available, including the following categories:
- **NUCLEAR**  •  **STRUCTURAL STEEL**  •  **ELECTRONICS**
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**INTERVIEWS**
February 13
Room 1-173

**NEWPORT NEWS SHIPBUILDING AND DRY DOCK COMPANY**
Newport News, Virginia
Construction Starts On $1,000,000 DuPont Athletic Cent
MIT Athletic Department Celebrates Ground Breaking

David DuPont's Bequest Used As Building Proceeds

Balch, Whitelaw Look Over Layout

The ground breaking for MIT's $1,000,000 dollar athletic center began shortly before vacation. To be called the DuPont Athletic Center, the new building will be adjacent to the Armory. Final contracts were signed on Jan-
uary 16th with the George Fuller Co., a Boston construction firm, and work is to begin as early as possible. The new building will be adjacent to the north side of the Armory, which is now also a part of the Tech athletic plant.

"The building is the "missing link" of MIT Athletics," says Balch. "It will fit in neatly with the existing Walker Memorial gym and Briggs Field House." And the new center will be just one half of the university's long range plan for athletic improvements. The new structure will be used for both "improvement of athletic facilities" and "safety and training." The building is a modern structure with a first rate basketball floor, and the temporary floor removed from the cage. The future sta-
tion of the Walker Memorial gym is not yet certain, but it will probably be given to exclusive intramural use.

Long Range Plans
The new center is the biggest step in the long range athletic plan. The recently purchased armory will soon be improved with a first rate basketball floor, and the temporary floor removed from the cage. The future sta-
tion of the Walker Memorial gym is not yet certain, but it will probably be given to exclusive intramural use.

Balch's dream is to build a modern athletic facility that will be used by both students and faculty. He envisions the building as a "link of MIT athletics," a place where "athletes can compete in a modern, air conditioned facility." The new center will be adjacent to the north side of the Armory, which is now also a part of the Tech athletic plant.

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tion of the Walker Memorial gym is not yet certain, but it will probably be given to exclusive intramural use.
Two Story Multi-Purpose Structure To Rise Beside Armory
New Building Planned To Be Ready For Use Early In 1959

Each Freshman Will Have His Own Stall

Here are some of the features of this multi-purpose building for Tech's sports-minded students:

1. Complete office facilities for MIT's athletic association which will be moved to this more central location from the present Wallon Memorial address.

2. A women's locker room for Tech's coed population.

3. Locker facilities for every one of MIT's 100 freshmen as well as ten dressing rooms, coach and faculty locker and conference rooms.

4. Special wrestling and fencing rooms everywhere: the grass courts in the basement.

5. A large lecture hall equipped with the latest facilities in New England for two of MIT's infratecture sports.

6. A gymnasium where MIT among the N. E. leaders here with a total of 40 courts.

7. A free exercise room, which will include a rowing machine, climbing bars and gymnastic equipment.

8. A lobby for entrance to both Rockwell Cage and the huge MIT Armory.

Dr. Edgerton's Stroke Seen 140 Miles Away During Recent Tests

Pluses from a millionaire stratospheric light source located at MIT were observed at the weather station on Mt. Washington last week. Professor Harold E. Edgerton is testing the light to determine its feasibility as an airplane beacon.

Several tests of the light were conducted last spring, when airplane pilots reported seeing it as a tiny star over North Carolina. The observation at Mt. Washington, 140 miles away, is the farthest one yet reported. Professor Edgerton states that the tests to date have been highly satisfactory; the light's flashes have been vividly and clearly observed. However, no tests have been conducted on a total of 40 courts.

The light is approximately two feet long and a centimeter in diameter. General Electric designed the reflector, which throws a beam with a twenty degree vertical arc and a 180 degree horizontal spread. The light is set to flash at fifteen second intervals with a duration of three-hundredths of a second.

Holland Breaks Ground

What's it like to be with IBM?

Genie McGrew, Sales Representative at IBM, shares his experience working with IBM and what makes the company unique.

Gene McGrew won a scholarship and went through Princeton as the top third of his class ... managed varsity track ... commanded an artillery battery in Korea. "When you put a lot of preparation into your career," Gene McGrew feels, "you should look for a lot in return."

Out of the Army in 1955, he joined IBM with a sales representative. He found real opportunity. After an interview with an IBM branch manager, Gene McGrew was sure. Although sales was only one of many jobs he felt he could handle, this kind of selling (IBM machines are as much a business product) would enable him to capitalize fully on his education, experience, and talents. He's learned also that "the other forms of training or career development" can provide much of the experience in all phases of business and industrial activity. This kind of training and experience develops top business executives.

This began an extensive and interesting training program marked by merit salary increases. The first three months of the training course combined introductory machine-schooling and observation of branch office operations in Pittsburgh, Chicago, and a home tour. The next three months were spent studying the applications of the company's data processing machines in various phases of accounting in business, science, and government. With this background of know-how, Gene McGrew was ready for seven months of practical field training during which he became a real contributing member of the sales team, working with a dozen of experienced salesmen in a variety of situations with many different customers. With this experience behind him, he was ready for IBM's famous sales school, a final five-week polishing course in selling techniques.

Receives first assignment

Upon the successful conclusion of this course he was given his long-awaited first sales assignment, his own territory near Pittsburg. This territory comprised of some fourteen companies presently using IBM equipment, together with many companies who were logical potential users. Gene McGrew's job is to assist his customers in achieving maximum efficiency through the use of their equipment, as well as to help them extend its use to new applications. He is also responsible for the development of new business. His biggest assignment was a large industrial corporation. Now in theIBM's electronic systems simplifies various major phases of the customer's accounting work. His fine job with this customer resulted in the expanded use of equipment and the ordering of three additional medium-sized data processing machines. He is now working to develop the sale of one of IBM's largest computers, the 1301, to another customer.
are "running scared" according to obtaining job offers, many of them former levels, and if it does not, next at least until next fall for business year's Seniors will not get the full defense contracts. Unfortunately this for interviews because of large new weeks to send representatives to MIT reports that business seems to be on situation very similar to the rosy one prospects next year's Seniors to find a the term, and some will probably be among company those are now looking for jobs. Mr. Harrington states that he expects next year's Seniors to find a situation very similar to the rosy one. Many of the average men having received three or four offers already. Many of the average men in the lower half of the class will have a hard time getting any kind of offer before the end of the term, and some will probably be breaking on companies those are now looking for jobs. Mr. Harrington states that he expects next year's Seniors to find a situation very similar to the rosy one. 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