

Registration Mechanized By Statistical Machinery

By ED LEONARD

As a result of work begun last April and accelerated throughout the summer, registration at Technology will take on new speed and form through the use of a modern, machine-processing technique introduced this term. Coming from the long-standing M.I.T. Statistical Section, which has been doing comparable analyses in the scientific field for the past ten years, the new development is said not only to simplify the process of keeping track of 5,400 undergraduate, graduate, and special students, but also to do the job at a great saving in time. In addition to these obvious advantages, the new system will provide, in a matter of hours, information not previously available without long and tedious hours spent in checking files.

Frank M. Verzuh, Electrical Engineering Instructor and head of the project, stated that while the Institute has had the equipment and technical knowledge necessary to effect the process for several years, it was not until last April that all departments were in a position to clear the project's inception. Since that time, Verzuh's staff of four has made preparations which will climax shortly with the processing of some 120,000 cards—representing a summary of educa-

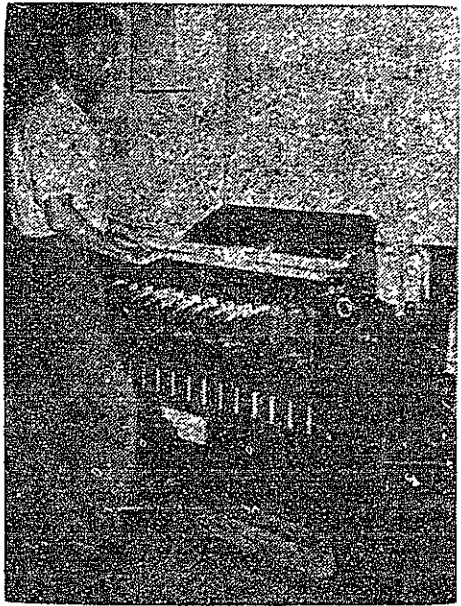


Photo by Cohen
Pictured above is the machine which will process and tabulate registration material.

tional, financial, and personal facts about each Technology student.

Students Notified

Students first came in contact with the new system when they received their preliminary registration material. Instructions accompanying this material warned students not to mutilate or bend any of the roll cards they would subsequently receive. The statement, "These Cards Are for Machine" (Continued on Page 4)

Safe From Draft Untill June If Notice Dated After Today Says Selective Service Office

DEAN BAKER

It is unfortunate that a school paper editor is so seldom called upon to write an editorial such as this one. To crystallize and set down on paper the reactions of the student body to the sudden and violent death of Dean Everett Moore Baker is an unhappy and a difficult task. We asked several of our friends to tell us why they had liked and respected the Dean probably above any other member of the administration, and the answers we got ranged from, "He was an awfully nice guy," to, "He was a students' man," or, "He was personal." Then we talked for a while about the things he had brought to student life at Technology, the expanded sports program, the better student-faculty relations, the improvements to the Walker Memorial Building, the expansion of extra-curricular activities, and the New Dormitory. He knew an amazingly large number of Techmen by

(Continued on Page 2)

Standings Count In Deferments

Deadline for the Orders to Report for Induction, as applied to Technology students, is September 19, according to the latest information received from the military service information office at the Institute. If a student's orders are dated before September 19, the date he will first attend classes, then the Selective Service Office can legally enforce their decision.

On the other hand, if the Orders to Report for Induction are dated on or after the above date, then the Army is obliged to wait until the end of the academic year before induction actually takes place. That is, as long as the student satisfactorily pursues his course of instruction he will be deferred. Note that the above information refers to the Orders to Report for Induction, not the Orders to Report for a Physical. Also note that the above applies to all students, except those in the Reserves and those in the R.O.T.C. who have signed deferment agreements.

Scholastic Deferments

Another important clause affecting many Technology men is the provision concerning scholastic standing: the Selective Service Office specifies that a student may be deferred if he is placed in the upper half of his class at the college or university at which the registrant completed his last academic year as a full-time student. This information obviously does not ap-

(Continued on Page 3)

"TECH" SMOKER

President Killian will address aspiring newspapermen at THE TECH Smoker on Thursday, September 21, in Litchfield Lounge of Walker Memorial.

Freshmen Weekend Turnout Near Record

Greater Facilities Favor Tech Over Wonderland

The class of 1954 attended Freshmen Weekend with a near record turnout of 650 men. This year's attendance exceeded last year's by approximately 100 men. Last year's weekend was held at Camp Wonderland in Sharon, Mass. The increase was partially due to the greater facilities available at the Institute.

During the weekend, the class of '54 heard talks by President Killian, Arthur A. Wasserman, '51, Institute Committee President, and various deans and directors. They attended athletic rallies, saw a Carnival of Athletics, toured the many laboratories throughout the Institute, and were advised on the grading system, examinations, and student life.

Dr. Killian remarked in his speech to the freshmen that they were performing "an important service to our country" by coming to Technology because "our country has a shortage of competent, well trained men in many professional fields. . ."

ACQUAINTANCE DANCE

Freshmen — your first acquaintance dance at Walker Memorial will be held September 30. The dance will be sponsored by the Freshmen Orientation Committee.

FLAG, PENNANT, and PANTS . . . LONG MAY THEY WAVE



Photo by Astrachan
Mr. Ebner's trousers flutter in the fall breeze after he was depantsed by members of the class of '54. Ebner's comment: "Baby, it's cold outside!"

Night Parking Is Eliminated By New Rules

Parking Permits To Be Issued to Commuters Living Far From MTA

Implementing its radically new parking policy announced during the summer, the president's office has issued a set of regulations to govern the rapidly dwindling parking areas of the Institute.

Overnight parking is completely eliminated under the new set-up except by prior arrangement with the Superintendent of Buildings and Power. This requirement is imposed to facilitate snow removal and other maintenance according to the directive.

The area immediately adjacent to the Graduate House will become a restricted zone with specific windshield stickers required and a police officer on duty during the day. Applications for these grounds must have the endorsement of the department head or project supervisor.

Stickers Required

Specific windshield stickers will be required for the areas adjacent to the Cage, and between the Cyclotron and Hydrodynamics Laboratory on Vassar St. but periodic checks will be the only means of determining if the grounds are being used by authorized persons. Application for a permit for these areas may be made without endorsement directly to the Superintendent of Buildings and Power.

Forms for parking space permits may be obtained in the Superintendent's office, Room 24-117. No change will be made in the regulations governing the zones immediately behind the main academic buildings and the Hayden Library.

Dormitories Out

All students except residents of the dormitories and the Graduate House may apply for permits to

(Continued on Page 3)

204 Students Now in Riverside, Will Total 560 Before February

Completion of the east wing of the Riverside Dormitories has been delayed an additional two weeks due to construction tie-ups. Two hundred four students will be accommodated in the building which was purchased last spring by the Institute. An additional three hundred sixty men will be housed in Riverside in January when the west wing is completed.

Military Expansion Results in Changes In Institute Faculty

War in the far east and the resulting expansion of the national military establishment have resulted in several major changes in the Institute faculty. Vice-Admiral Edward L. Cochran, U.S.N. (retired), head of the Department of Naval Architecture, is now on leave of absence from the Institute serving as chairman of the Federal Maritime Board and Maritime Administrator.

Appointment of Colonel Harold R. Jackson to Chief of Staff for the New England Area of the First Army vacated the post of Professor in Charge of the Military Science Dept. Captain James M. Farrin, U.S.N., professor of naval construction, has been called to service with the U. S. Seventh Fleet in the Far East.

Professor George C. Manning will serve as acting head of the Department of Naval Architecture and Marine Engineering in the absence of Vice-Admiral Cochran, and Captain Horatio H. Sexton, U.S.N. (retired), fills the post vacated by Captain Farrin.

Dr. Killian has announced the appointment of Colonel Charles F. Baish, Corps of Engineers, as professor of military science and tactics in charge of the department. Formerly commander of the 42nd Engineer G. S. Regiment, he was recently in charge of the Army Construction in the Alaska defense command.

One appointment of a non-mili-

(Continued on Page 4)

Students assigned to the east wing are at present being accommodated in the west wing. Present barracks residents will receive top priority in obtaining the new rooms. Placement of bathroom tile will complete work on the east wing. This part of the building will consist of five-men suites each composed of three rooms. Room rent has been set at \$160 per man. The dining facilities of the New Dormitory will be available to a limited number of the residents.

About twenty-five men will be able to earn their room rent by doing janitorial work. In this new program each man will work about twelve hours a week.

Dormitory Elections Set For Monday, October 2

Nomination petitions for dormitory representatives will begin to be circulated on Monday, September 25. They will be obtainable on that day from the offices of Building 22, Munroe, and the New Dorm.

All nominations must be completed and left at the dormitory office by 10:00 p.m. September 28, according to the ruling of the Dormitory Committee. On the following Monday, October 2, balloting will be held at the dormitory offices for hall chairmen only. Hours: 8:30 a.m. to 6:30 p.m.

Thursday, October 5, will be election day for representatives-at-large. Two of these representatives will be elected from the list of defeated candidates for the entire dormitory system.

An organization meeting of all elected representatives will be held on Monday, October 9, in Ware Lounge.

The Tech

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Everett M. Baker . . . a Biography

The late Dean Baker was known throughout the country as an outstanding educator, administrator and theologian. He had attained wide recognition in recent years as a speaker at student conferences and institutes. In August he had flown to Bombay, India, to address the annual conference of the International Student Service of which he was chairman. This organization with the cooperation of the American World Student Service Fund was instrumental in bringing foreign students to the United States for study in American institutions of higher learning.



Dr. Baker had always maintained a keen interest in the activities of young people. His own interest in outdoor activities and sports led to his association with boys' camps early in his career, a field in which he remained active until his death.

A graduate of Phillips Exeter Academy, and Dartmouth College, class of 1924, Dean Baker undertook graduate work at the Harvard Divinity School, completing his studies there in 1929. In 1937, he

Before coming to the Institute in 1947, Dean Baker served as minister of the First Unitarian Church of Cleveland, Ohio. In Cleveland he acted as Chairman of the Unitarian War Service Council under whose auspices he edited and published a book of readings for men and women in the service entitled, "Think on These Things." Over three million copies of the book were distributed to men and women in the armed forces. Dr. Baker was president of the Unitarian Ministerial Union from 1944 to 1949, and had been a member of the board of directors of the American Unitarian Association for several years. In 1948 he was elected to a one-year term as president of the Dartmouth Alumni Association.

was elected Vice-President of the American Unitarian Association, following a period of active church work throughout New England. In addition to general administrative work, he directed the publishing business of the Unitarian denomination and its fund raising campaign.

Under Dean Baker's guidance the Office of the Dean of Students expanded its authority and responsibility in all aspects of student welfare. Both the athletic program and the system of student government received special attention, and attained their proper place in the undergraduate program.

CALENDAR OF EVENTS

SEPTEMBER 20 TO SEPTEMBER 26, 1950

TUESDAY, SEPTEMBER 19

Nautical Association. Freshman Sailing Squad Organization Meeting. Sailing Pavilion, 5:00 p.m.

WEDNESDAY, SEPTEMBER 20

Chemistry Department Seminar: "Report from the American Association for the Advancement of Science Ion-Exchange Conference." Dr. Charles D. Coryell. Room 6-215, 3:00 p.m.

Faculty. Meeting. Huntington Hall, Room 10-250, 3:05 p.m.

Richard C. Maclaurin Lodge, A.F. and A.M. Meeting. All Masons at M.I.T. are cordially invited to attend. Masonic Temple, 1950 Massachusetts Avenue, Cambridge, 7:00 p.m.

TUESDAY, SEPTEMBER 26

Nautical Association. Shore School starts and will continue each week day from 5:00 to 6:00 p.m. through October 6. Room 2-390.

EXHIBITIONS

An Exhibition of PRIMITIVE ART is being shown in the New Gallery of the Charles Hayden Memorial Library, Monday through Friday, from September 18 to October 27, 10:00 a.m. to 5:00 p.m.

DESIGN DOWN UNDER, Australian Aboriginal Art, will be shown in the Lobby of Building 7 through October 15.

Editorial (Continued from Page 1)

their first names, and nearly all students had a feeling of knowing him, if not personally, through his reputation and deeds. We hope these words are an adequate expression of their memories of him.

To many students his position was too often one of sugar-coating unpalatable administration edicts, however justified they were. His job, of course, was that of administrative officer in charge of student affairs, so the fact that he so often found himself in such a position was an unavoidable circumstance.

The real tribute to Dean Baker's memory is the fact that, in spite of his role of chider, and to some extent a policeman, to the student body, he was universally loved by all students who have had dealings with him, and this feeling was shared by even those who did not know him personally. By inspiring this universal esteem and admiration, he did much more than execute his duties to the Institute; he unwittingly managed, in so brief a time as three years, to erect a monument to himself. Significantly, it was not so much the specific improvements in student life that endeared him to the students but some sort of personal relationship he had with the students. Where another man might make the post of Dean of Students that of an administrator, he always seemed to carry out his duties on a student level through his wide personal acquaintanceship with individual students.

Dean Baker came to the Institute with the Class of 1951 and had just begun to regard himself as a veteran Techman. He had just begun to reshape student life along more well-rounded lines, and he might have looked forward to twenty years of constructive effort at Technology, counseling an entire generation of students. The seven classes which he did know, however, will find him very hard to forget.

Reviews & Previews

By JAY FLEISHMAN

Season in the Sun — Wilbur Theatres.

This piece sired by the drama reviewer for the New Yorker, Walcott Gibbs, augurs well for the incipient theatre season. It has wit and possibly wisdom in its humorously condescending tale of a writer's misguided try at the profound.

That the show would be like a few pages culled from the author's weekly would have been an obvious pre-performance conjecture, and in fact it proved to be as neat and tidy as a column—of New Yorker fiction.

The problem is quite simple. Paragrapher George Crane suddenly finds neither future nor aesthetic solace in the clever tidbits he has been submitting to his editor. Convinced that the nefarious influence of New York City has perverted his callow idealism to the realities of journalism by the twin vices of urbanity, booze and babes, he summons his efforts towards producing a novel that will expose the sins of the metropolis. This attitude and the summary rejection of his old cronies and habits precipitates a rupture with his wife. His sorrows are subsequently allayed by the consolations of a gorgeous young thing, whose childlike innocence and angelic sweetness are only matched by her demure acquiescence. When these complications are resolved our hero has discovered that the weaknesses of our country gentry are just as virulent as those of his fellow burghers, and the quiet, upright nature of their lives, which passes for respectability, is attained only through refusal to face facts and partake of the joie de vivre.

The playwright, a critic himself, adheres with considerable success to the traditional critic-to-author dictum, "write about what you know." This is illustrated by the substance of the comedy which centers about a contributor to a periodical (not unlike Gibbs' relationship to the New Yorker), his editor (modelled after Gibbs' own), Fire Island (where Gibbs does his sunning) and sex (which is common property).

IF IT'S "ARROW" WE HAVE IT! ETONS

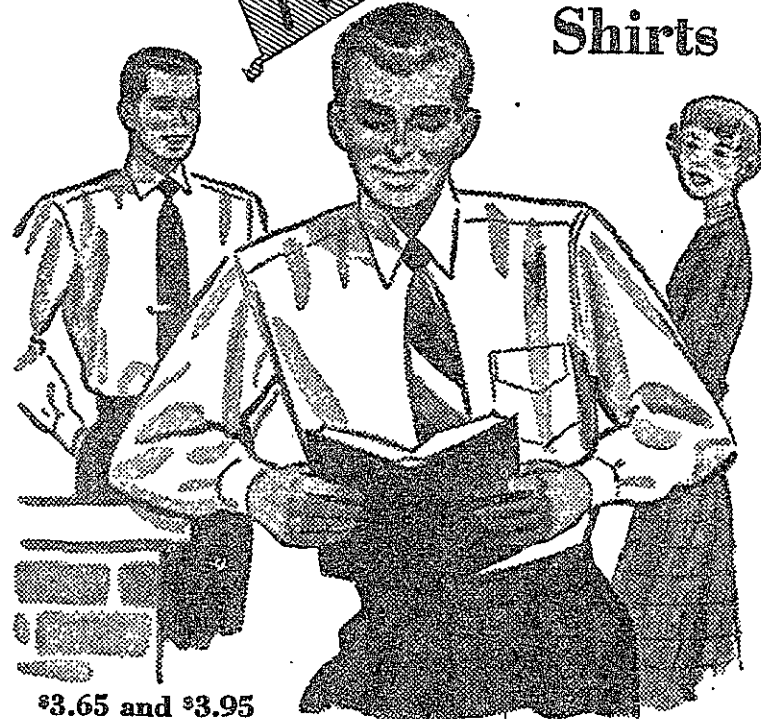
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Draft

(Continued from Page 1)

ply to freshmen nor does it apply to the aforementioned Reserve and R.O.T.C. members. As for graduate students, who are not pursuing a full-time course, the situation is somewhat different. Such students frequently hold part-time assistantships in teaching or research as a normal requirement in the educational process. When an assistantship in teaching or research is a requirement in the course being taken, then the graduate student qualifies as a full-time student.

In granting deferments under the above conditions, the draft boards must be satisfied that the student fully intended, before August 1, 1950, to enroll in a full-time course at a college or university for this academic year.

R.O.T.C. Deferments

Seniors who remain in the Advanced R.O.T.C., and Juniors who are accepted in the course will be deferred. That is, the draft deferments signed previously by these men will remain in force. Other Juniors may sign a draft deferment agreement by applying for enrollment in the Advanced Course; other Seniors may sign deferment agreements upon contacting the officer in charge of his unit.

As for Sophomores, the deferment agreements signed in the last academic year will remain in force

as long as the student is in good standing with the R.O.T.C. An opportunity will be given other sophomores acceptable for continuance in the R.O.T.C. to sign such an agreement sometime during the academic year.

Freshmen enrolled in the R.O.T.C. program will be given a chance to sign deferment agreements during their second semester at the Institute.

Further information concerning the R.O.T.C. may be obtained at Headquarters, Military Science and Tactics Department, Room 24-107.

Reserve Deferments

Students who are members of the Reserves must actually have received notice of their recall for active duty before making application for delay. Upon receipt of these orders, graduate students should see Dean John W. M. Bunker in Room 3-108; undergraduates should see Mrs. Eleanor S. Lutz in Room 2-331 (Room 7-108 after Sept. 20), the two advisors on Selective Service matters at the Institute.

Both Dean Bunker and Mrs. Lutz wish to emphasize that the student should not wait until he has been classified 1-A before seeking advice about his personal case. Otherwise the local draft board needs to review the case twice: first for the original classification of 1-A, and then to review the appeal to change the original classification.

Tech Coaching Staff Reshuffled; O'Donnell New Basketball Head

BEAVER BARKS

By Mort Bosniak

Sports at Tech were not entirely inactive during the past summer. Two teams were in action, there were a number of changes in the coaching set-up, and some plans for the coming year were formulated.

At Marietta, Ohio, in June the technology heavyweight crews rowed in the Marietta Regatta. The tech oarsmen went into the contest as the hopes of the east and with an outside chance to take top honors. However, the technology sweepswingers could do no better than fifth in the two-mile (shortened from three because of bad weather conditions) grind. The Beavers were at first believed to have finished fourth but a check with the movies of the regatta showed that Wisconsin, which was judged to have finished sixth, in reality took third place. The other crews to negotiate the course faster than Tech were Washington (who won all three races), California and Stanford—all western entrants. So Tech, while only placing fifth in the regatta, still kept its title of "Best in the East in '50." Technology's captain, Bob Weber, was voted to the all-American crew by the coaches at Marietta at the conclusion of the regatta.

Also in June the Beaver sailing team journeyed across the country to compete in the national sailing competition that was held in California. The Technology sailors placed fourth in the regatta which was taken by Yale, a team the Beavers had beaten earlier in the season here in the east.

The reshuffle in the coaching staff includes the addition of three new men to the Tech athletic staff. The changes started early in the summer, when last year's basketball coach Ted Heuchling resigned from the varsity post and Warren Berg was appointed to take his place. However, this past week Berg resigned both his newly acquired basketball job and also the varsity baseball helm that he has held for the past two years. Thus Roy Merritt was appointed to take over the baseball team while a newcomer Cleo A. O'Donnell will direct action of our hoopsters.

One of the plans for the coming year is another scheduled game for the Tech basketball team at Boston Garden. Our opponent will again be Trinity and the date is Jan. 16. The other half of the twin bill will have Rhode Island State against Holy Cross. The A.A. is also planning another southern trip for the baseball team in the spring and there is a chance the golf team may make a similar trip.

That just about covers the sports activities of this past summer. A resume of what we can expect from our teams this year will be forthcoming.

Merritt to Lead Nine And Grapplers; Hardy And Steinmetz on Staff

The Technology coaching staff was considerably shuffled this past week with the resignation of Warren S. Berg from the varsity baseball and basketball coaching positions. Athletic Director Ivan J. Geiger announced the appointments of Cleo A. O'Donnell, Jr., to take over the basketball post and Roy B. Merritt as varsity baseball mentor. Berg, who resigned to accept a Boston business position, will continue as Publicity Advisor for the A.A.

Also Appointed

Geiger also announced the appointments of Philip Hardy as varsity soccer coach and freshman basketball and baseball head, and Charles Steinmetz as frosh wrestling coach.

O'Donnell, who is better known for his football exploits, is the son of the former Holy Cross football mentor and brother to another more recent Harvard captain, Kerr O'Donnell. Cleo attended Worcester Classical and Worcester Academy before attending Harvard where he graduated in 1947. He has coached basketball at Curry College and in the army for two years where he produced regimental champions.

Merritt Moves Up

Merritt was moved up from the frosh wrestling and baseball coaching jobs to take his new positions. He will bring several years of professional baseball experience to his new post. Following his graduation from William and Mary, Merritt pitched minor league ball in the New York Yankee farm system. The new baseball and wrestling coach came to Tech last year as a physical education instructor.

Hardy was graduated from Springfield in 1930. He received his master's from the University of Virginia in 1943. He coached two years at Waterbury, Vermont, high school and many other high schools and prep schools.

Steinmetz who is an instructor in the English Department graduated from Washington and Jefferson in 1942. He coached the freshman wrestling team at his alma mater upon graduation.

Five Members Elected To M.I.T. Corporation

Dr. James Rhyne Killian Jr., president of the Institute, has announced the election of a life member special term member, and three alumni term members to the Corporation.

The five are Horace S. Ford of Belmont, Mass., life member, who retired July first after 36 years as principal financial officer of the Institute and member of the corporation since 1934; Dr. John M. Hancock of Scarsdale, New York, special term member to June 30, 1955; C. Adrian Sawyer Jr., of Waban, Mass., Pierre F. Lavedan of Chicago, and Charles A. Thomas of St. Louis, Missouri, alumni term members.

Parking

(Continued from Page 1)

the semi-controlled lots. Students, including graduate students, who do not live convenient to the M.T.A. lines, cannot use public transportation for reasons of health or physical infirmity, and dormitory or Graduate House students who would be seriously handicapped in their work if forced to rely solely on the M.T.A. may apply for permits to the police controlled zones. Students in the second and third groups will be required to endorse their applications for permits by the Medical Department in one case and the Registration Officer, Institute employer, Dean of Students, Project Supervisor, or Department Head in the other.

The President's office has pointed out that the rules which go into effect on September 25 are on an experimental basis.

Rocket Motor Model Aids Fuel Research

A rocket motor small enough to hold in your fist is helping chemical engineers at Technology develop fuels for full-size rocket-powered missiles.

This tiny liquid-fuel rocket motor is believed to be the smallest of its type in the world. By running on very small amounts of fuel and by eliminating the need for elaborate safety precautions, it makes possible experiments costing far less than full-scale tests.

In research under the direction of Professors Hoyt C. Hottel and Glenn C. Williams of the chemical engineering department, the so-called "microcrocet" has proved its value in testing rocket engine fuel efficiencies. The studies are under the immediate supervision of Bradford Darling and Saul Wolf of the Institute research staff.

Already the results have brought about a more complete understanding of rocket fuel combustion. Future work will continue to fill in this picture and is also expected to provide answers to specific rocket design problems.

Though a toy in size, the M.I.T. microrocket is hardly a living room plaything. On two pounds of fuel it runs for one minute, builds up more than 300 pounds of pressure inside the motor, shoots gas out its nozzle at a speed of about 5000 miles per hour, more than 2½ times the velocity of sound at these conditions, and produces heat at the same rate as does a furnace big enough to heat an eight-room house.

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On the Board of Directors, the M.I.T. representatives are Ralph E. Freeman, Faculty Director; Harold E. Lobdell, Executive Vice President, Alumni Association; Walter Humphreys, Secretary of the M.I.T. Corporation; Horace S. Ford, Treasurer Emeritus of the M.I.T. Corporation, and John Kern '50.

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PATRONAGE REFUNDS. For the fiscal year ending June 30th, 1951, a Patronage Refund upon cash purchases, or charge purchases to the member's personal account, has been voted at the rate of not less than 8% on charge purchases and 10% on cash. It is essential that members join early in order to hand in with purchases their ticket number to be credited toward their Patronage Refund.

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Musical Clubs Will Schedule Joint Concerts

Ample opportunity for all musically inclined Institute students is promised by the full schedule of concerts to be given by the various musical groups during the coming school year. Albert Zesiger, '51, General Manager of the Combined Musical Clubs, says there is room for all, whether talented or just interested, to display their abilities.

The Musical Clubs, comprised of the Symphony Orchestra, Glee Club, Concert Band, Logarithms (a newly formed octet), and Tech-tonians (the dance band) are under student management, with the professional assistance of Professor Klaus Liepmann as conductor of the Orchestra and Glee Club, and Mr. John Corley as director of the Concert Band.

The Glee Club is planning joint concerts with Wellesley, Bradford, and Lasell, as well as the annual performance with the Boston Pops Orchestra in the spring.

Rehearsals Scheduled

The Musical Clubs wish to urge all students who are interested in music to attend the first rehearsals of the organization of their choice, join, and attend rehearsals regularly, to make the concert season one of the most successful—musically, socially, and financially.

Rehearsal schedules for the various clubs are as follows: Glee Club, Tuesday and Thursday beginning September 19, from five to six, in Room 2-190, tryouts after the rehearsal; Orchestra, Monday, at 7:30 in Morss Hall, Walker, tryouts after the rehearsal Concert Band, Wednesday, 7:30, in Morss Hall, Walker; rehearsals and tryouts for Tech-tonians and Logarithms to be announced later. The Choral Society will meet regularly Tuesdays, in Room 2-190, from 7 to 9, all students, staff and employees eligible to tryout.

Management Positions Open

Behind the scenes of a successful concert there is much activity on the part of the business management of the Musical Clubs. Positions are open for capable students to handle the arrangements of concerts, music, library, stage managing, etc. Students who are interested in this phase of the Combined Musical Clubs may contact the office, 301, Walker Memorial from 4:00 to 6:00 p.m.

Roll Cards

(Continued from Page 1)

Processing," was the first official announcement of the new system. The material returned at that time was transcribed upon cards which already contained an imposing list of facts gleaned from admissions material, Bursar's information, scholarship reports, and other Institute records. Twelve duplicate roll cards, containing an alphabetic sequence number (different for each student) and the student's name—each printed and punched—were assembled along with the familiar superintendent's card and registration certificate into the small jacket which all students received on registration day. In addition to name and sequence number, each roll card contained, in coded and printed form, the student's course, option, and year. Further space was provided for punched-card machine operators to transcribe the subject number—as indicated in written form by the student—into coded information.

All these cards will be reassembled and grouped together with the student's master card and other various information cards into the master file. This file, representing the detailed history of all present Technology students, is contained in a volume of less than 30 cubic feet. Here the tremendous and amazing advantages of the system become evident.

Amazing Speed Noted

For example, when this phase of the operation is completed later in the term, the admissions office could have the exact number of British subjects attending Technology in less than one half-hour. The 2,400 card per hour speed of this card counting-sorter far surpasses any speed a filing clerk could achieve. Thus with the completion of the project, a tremendous amount of statistical material on many phases of student activity will be readily available. Subjects which will be covered range from information on secondary schools and entrance recommendations to predicted and actual first term ratings. Information on citizenship, residences, and previous scholastic work is to be part of the varied information recorded. On one card design eighty punched columns, of twelve digits each, record twenty-nine facts, ranging from name and alphabetic sequence number to predicted first-term rating.

Five Machines Used

The equipment necessary to process these cards falls into five major classifications: a punching machine with which the operator punches the card from original in-

formation; a verifier on which the operator repeats the first operation to find and correct mistakes made in transcription; interpreters which transcribe punched information into printed form, either on the card itself, or on separate pages; a sorter which counts and does rudimentary separation, and finally a collator, a multiple-purpose device which will select or merge cards, check their sequence, or sort with respect to more than one transcribed fact.

Mr. Verzuh pointed out that the machines are only capable of distinguishing certain clear markings and that mutilation of the cards can do much to offset the tremendous advantage of the project.

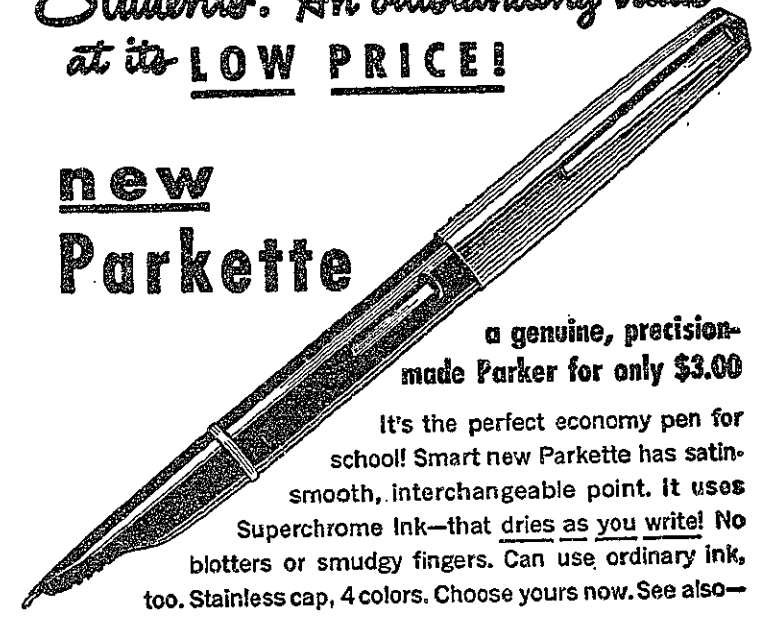
Appointments

(Continued from Page 1)

tary nature was the naming of Dr. Egon Orowan, authority on the physics of metals, as a full professor in the Mechanical Engineering Department. A fellow of the Royal Society and holder of the Hawksley Gold Medal for the A.I.M.E., he comes to the Institute from the physics department of the Cavendish Laboratory.

Students! An outstanding value at its **LOW PRICE!**

new Parkette



a genuine, precision-made Parker for only \$3.00

It's the perfect economy pen for school! Smart new Parkette has sat-smooth, interchangeable point. It uses

Superchrome Ink—that dries as you write! No blotters or smudgy fingers. Can use ordinary ink, too. Stainless cap, 4 colors. Choose yours now. See also—

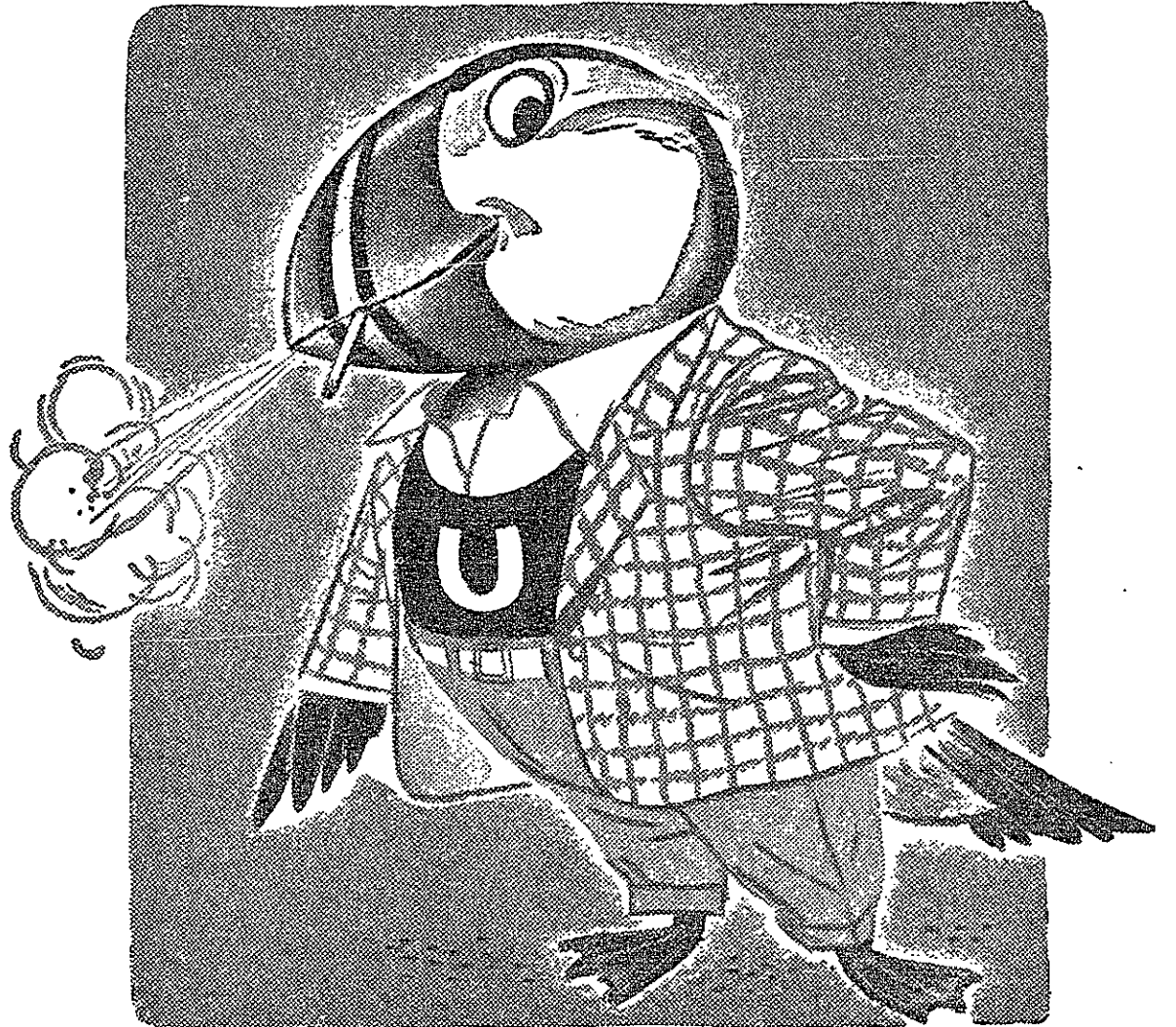
new Parker "51"	\$13 ⁵⁰	new Parker "21"	\$5 ⁰⁰
new "51" Special	\$10 ⁰⁰	Parker Sets	\$5 ⁰⁰ up

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Campus Interviews on Cigarette Tests

Number 1...THE PUFFIN BIRD



"What's all the huffin' and puffin' about?
I've been a Puffin all my life!"

You may think this "bird" is funny — but he's no

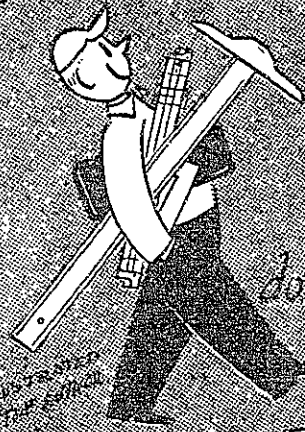
odder than many of the cigarette tests you're asked to make these days.

One puff of this brand — one sniff of that. A quick inhale — a fast exhale — and you're supposed to know what cigarette to smoke from then on. The sensible test doesn't have to rely on tricks and short cuts. It's a day-after-day, pack-after-pack tryout — for 30 days. That's the test Camel asks you to make! Smoke Camels regularly for 30 days. Your "T-Zone" (T for Throat, T for Taste) is the best possible proving ground for any cigarette. After you've made the Camel 30-Day Mildness Test, we believe you'll know why...

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