

HONOR SOCIETIES PLEDGE

PI TAU SIGMA

Pi Tau Sigma, the National Mechanical Engineering Honor Society, was founded on March 16th, 1915 at the University of Illinois. It has grown to a present strength of 68 chapters, the newest of which being our own WPI Tau Tau Chapter installed on March 8th of this year. The purpose of Pi Tau Sigma is to further the cause of Mechanical Engineering as a profession and to elevate the ideals and ethics of the engineering profession.

The following men were pledged:

Students

FRANCIS G. AUGERI
PAUL M. BYRON
ROBERT A. CHECHILE
DONALD L. HARPER
WILLIAM F. HESTER
THOMAS HOUSTON
FRANCIS J. KASZYNSKI, JR.
GEORGE J. SCHOEN
WALTER B. SUSKI, JR.

Faculty

DEAN M. LAWRENCE PRICE
PROF. CARL G. JOHNSON

TECH'S PLANS FOR PROGRESS

Latest information concerning the development program of Worcester Polytechnic Institute was recently released by the development office in the form of a brochure entitled, "Power to Progress on Our Own." This report included already completed goals as well as objectives yet to be realized along with original and revised estimates.

Objectives which have already been accomplished include Morgan Hall, a new dormitory housing 192 students, which cost \$1,500,000; Olin Hall, a physics building yet to be completed costing \$1,250,000; and remodeling of the Atwater Kent Laboratory at the cost of \$380,000. In addition, a grant for a nuclear reactor was received from the Atomic Energy Commission for \$150,000 which is the major portion of a proposed \$185,000 cost.

Five main objectives still remain to be realized. The first is a Central Library which will be erected between Morgan and Sanford Riley halls. The present library is located in the basement of Alden Memorial. The fact that it can accommodate only twenty-four students is proof in itself that it is certainly inadequate for the needs of the growing school. The building which will cost an estimated \$800,000 will include study facilities, additional seminar rooms as well as student activity rooms.

A Field House in the form of an addition to the Alumni Gymnasium is the second objective. In recent years the need for bigger and better athletic facilities has been increasing and it is now felt that the present Gymnasium is outdated. The proposed field house will include additional lockers and showers, an indoor track, a removable basketball floor, and seating accommodations for

TAU BETA PI

Tau Beta Pi Association, the national engineering honor society, was founded at Lehigh University in 1885. Since that time it has grown rapidly and today there are one hundred active chapters throughout the country in engineering schools. The Mass. Alpha chapter was installed at Tech in 1910 and has initiated over eight hundred members since then. The association was founded to mark in a fitting manner those who have conferred honor on their Alma Mater by distinguished scholarship and exemplary character as undergraduates in engineering and to foster a spirit of liberal culture in the engineering colleges of America.

Members are elected from the upper eighth of the Junior Class and the upper fifth of the Senior Class with regard to their character and outside interests and activities. Today the local chapter pledged seven seniors and five juniors to membership. These men have been outstanding members of their classes here at Worcester Polytechnic Institute. They have excelled in scholastic achievement and fostered a spirit of liberal culture through their many outside interests and extracurricular activities.

The following men have been pledged to membership in Tau Beta Pi:

Seniors

MOHAMMAD AMIN
ROBERT G. CHADWICK
SEYMOUR ELLIN
RICHARD N. GUSTAFSON
ROBERT KIETYKA
ALLEN H. LEVESQUE
RICHARD E. THOMPSON

Juniors

WILLIAM M. AITKEN
CARLETON E. DRISCOLL
WILLIAM A. KERR
ARTHUR J. LOVETERE
THOMAS F. ZIMMIE

2500 people. This will also be used for dances, commencement exercises, alumni meetings and other college events which have attendance in excess of the capacity of Alden Memorial. The newest estimate on the proposed Field House is for \$750,000.

A third objective is an endowment for a one-million dollar addition to the school's general endowment fund with which Worcester Tech will be able to raise the salary levels which will attract and retain the high standard of teachers which the Institute insists upon. It is hoped that this will also provide encouragement and opportunities for the staff to further its education and professional development.

The fourth goal is a revised Graduate Study Program which will considerably expand its present status. It is a known fact that modern industry requires highly trained men in order to meet the demands of the increasingly complex American society. The proposed goal for this objective is \$215,000.

The final goal in Tech's new program is the remodeling of Salisbury Laboratory.

THE SKULL

Dignity lies in deserving honors, not in possessing them.

JOSEPH FRANCIS BARRESI
PAUL WESLEY BAYLISS
RICHARD LOW GESS
JERRY BUDINGER GIBBS
DAVID ALAN JOHNSON
BERNARD LOUIS TETRAULT

From the Faculty
CARLTON WILDE STAPLES

TECH FACULTY PROMOTIONS

Eight faculty and one staff member have been promoted here at Tech. The changes are effective July 10.

M. Lawrence Price, Dean of Faculty, announced that in the department of chemical engineering and chemistry Wilbur B. Bridgman was advanced from associate professor to professor; C. William Shipman and David Todd from assistant to associate professors.

Professor Bridgman is a graduate of Eau Claire State Teachers College and received his doctorate at University of Wisconsin in 1937, where he also taught. In 1943, he joined the WPI faculty as an assistant professor.

Professor Shipman received his bachelor's, master's and doctor's degrees at MIT and was an assistant professor for three years at University of Delaware. He has been an assistant professor at WPI for a year.

Professor Todd is a Swarthmore graduate and took his doctorate at Harvard. He has been a research associate at Cornell University Medical School, Worcester Foundation for Biological Research and Cambridge University, England, as well as an assistant professor at Amherst and lecturer at Clark University. He has been an assistant professor at WPI since 1957.

In the civil engineering department, Joseph D. Sage and Roger H. Wildt were advanced from instructors to assistant professors.

Prof. Sage received his bachelor's and master's degrees from Rutgers, where he was a research assistant in civil engineering prior to coming to WPI in 1957.

Prof. Wildt is a 1954 graduate of WPI who received a diploma in 1955 at Imperial College of Science and Technology in London, where he did research until returning to Tech in 1957.

Richard F. Morton, on leave of absence from the department of physics, was promoted from associate professor to professor. Professor Morton is a graduate of MIT who took a master of arts at Harvard. He taught at Monson Academy, Moses Brown School and Dean Academy before joining the WPI faculty in 1949. He has been director of the National Science Foundation Summer Institute at WPI since 1957, and now is on leave to the Foundation in Washington.

See TECH FACULTY—Page 4

ETA KAPPA NU

Eta Kappa Nu is the national Electrical Engineering Honor Society. The basic purposes of the organization are to assist in improving the standards of the profession, and to bring into closer union those students who have shown interest and ability in Electrical Engineering. Each year at this time, Eta Kappa Nu pledges men in recognition of excellent scholarship and individual attainments, and because they possess qualities which indicate they will be successful in their chosen profession. Candidates are selected from the upper third of the senior Electrical Engineering class and from the upper quarter of the junior Electrical Engineering class.

The following men are pledged:

Seniors

HARVEY D. EGAN
SEYMOUR ELLIN
ALLEN H. LEVESQUE
JAMES S. TYLER, JR.

Juniors

PAUL A. ALLAIRE
CARLETON D. DRISCOLL
FRED S. SNIVELY
ARA TUTUNJIAN

ALUMNI CHAPTERS SHOW INTEREST IN UNDERGRADUATES

The Alumni Association has certainly started off 1959 with a quick pace, and from all indications, it will also be a busy spring. Two notices from alumni chapters are of particular concern to Tech students.

First, the Rhode Island Chapter is inviting to their spring meeting all Tech Sophomores, Juniors, and Seniors who live within fifteen miles of Providence, Rhode Island. Since the date is set for Tuesday, March 31, it will be during the Spring vacation, and men living in that area will be able to attend. The meeting will begin at 6:30 o'clock P.M. at the Johnson's Hummock's Restaurant, 245 Allen's Ave. in Providence. There will also be a broiled chicken dinner served shortly after. This meeting was planned to promote a closer relation between alumni and students.

On April 2nd the Boston Chapter plans to invite prospective students in the Boston area to their meeting. Vice President Tolman W. Van Arsdale, Dean Donald G. Downing, Dean Ernest W. Hollows, Professor Robert W. Pritchard, and Alumni Secretary Warren B. Zepp will help the alumni answer questions and give a picture of life at Tech.

The Alumni Association has twenty chapters and it is hoped that students will get acquainted with nearby chapters so that they can meet Alumni in fields in which they're interested to give them an idea of job opportunities and engineering in industry.

Tech is fortunate to have active alumni who comprise such a very important part of the school's general func-

PI DELTA EPSILON

Pi Delta Epsilon, the National Honorary Collegiate Journalism Fraternity pledged eleven men to membership during the assembly period.

This organization was founded at Syracuse University in 1908 and first appeared on the Worcester Tech campus in 1948. The purpose of Pi Delta Epsilon is to elevate the cause of journalism; to foster the mutual welfare of student publications; to develop the truest fraternal spirit among its members; to encourage loyalty to their Alma Mater, and to reward the journalist for his efforts, service and accomplishments by admission to its membership.

Of the eleven men pledged, nine are Juniors and one a Senior. Mr. Trask has been elected to Honorary Membership in the Fraternity. All are now proud wearers of the traditional lead slug and white carnation.

Pi Delta Epsilon has pledged:

PAUL W. BAYLISS
Co-Sports-Editor of the TECH NEWS,
and member of the Peddler Staff

ROBERT A. CROOK
News Editor of the TECH NEWS

JOHN J. CZERTAK, JR.
Advertising Manager of the TECH NEWS

RICHARD L. GESS
A member of the Peddler Staff

PHILIP A. O'REILLY
A member of the Peddler Staff

HARRY F. RAY
A member of the Peddler Staff

EDWARD J. RUSSELL
Managing Editor of the TECH NEWS

DAVID A. SAWIN
Editor of the Tech Bible

WILLIAM F. TRASK
Director of Placement

ARA TUTUNJIAN
A member of the Peddler Staff

LOUIS C. VARUZZO
Editor-in-Chief of the TECH NEWS

tioning. One of the important jobs they perform is to meet and talk with prospective students who are thinking about attending Tech. Even some men who have already been admitted to Tech are visited by alumni to give them a better and more conclusive idea of the school. Many high school guidance leaders are contacted through alumni for the *Tech-niforum*.

The following are chapter meetings that are soon coming up. Pittsburgh Chapter will meet March 13 and Professors Zepp and Pritchard will speak there to bring them up to date with activities on the Hill. The Conn. Valley Chapter will meet March 26 in West Springfield. The Washington Chapter will hear Professor Zepp and Dean Downing at Bolling Air Force Base on March 11. Other meetings will be coming up soon in Detroit, Chicago, Cleveland, Cincinnati, and Rochester.

EDITORIAL PAGE

CONGRATULATIONS

There has been much emphasis on the subject of school spirit for a considerably long time, in fact, throughout the history of our school, as shown by past and aged *TECH NEWS*. It's so true that a great deal was lost with the expiration of the Goat's Head rivalry, but that field of enquiry which appears to suggest a bygone era need not be the only thing that should bring to this campus the feeling of "spirit" which should be associated with collegiate life. It can be instilled in every one of our student members and faculty, especially through athletics and my opinion is that it has. Yes, it certainly has! Excessive amounts of congratulations should be given to our teams who again this year have proved themselves capable of handling those more widely publicized athletic powers and to our coaches who have shown that a school of our nature, in addition to organizing minds for the advancement of our civilization, can also produce high quality athletes. In other words, we're proud that degrees do not have to be forfeited for attainment in sports. Our men are capable of gaining both. Were it not for these men who have given birth to a rapidly growing power in sports, W.P.I., spirit at Tech would be unheard of. They have brought and maintained a greater amount of spirit than will ever be created by organizing committees for the study of its advancement or for discovering methods of its development. — L.C.V.

Campus World

Brooklyn, N.Y.—By-laws concerning nominations of Polytechnic Institute students to "Who's Who Among Students in American Universities and Colleges" have been passed by the Student Council. To be eligible for nomination to "Who's Who," a nominee must have a cumulative average of at least the all-men's average of his class less ten per cent. For the class of '59, the required average is 2.25. In addition the nominee must have:

Leadership and/or responsibility in offices he has held; versatility, indicated by breadth and interest of activities; leadership ability and use of this ability; exemplification of the highest standards of leadership; justification of responsibilities of jobs he has held; and diversified activities and outstanding leadership ability in these activities. A candidate must also show promise of future usefulness in offices he has just begun to hold.

Detroit, Mich.—A sweeping curriculum revision, making the first two years of study uniform for all students, has been announced by the College of Engineering at Wayne State University.

Establishment of two-year junior and senior divisions within the college, with admission to the senior division to be by application and approval by the college, also was announced.

The changes, to affect entering freshmen next September, were approved by the faculty on recommendation by the Engineering Administrative Council, the college's top policy body, following a year-long study.

A major factor which led to the revision is the growing number of students coming from community colleges, according to Dr. J. Stuart Johnson, dean of engineering. "A basic two-year curriculum common to all recognizes the increasing impact of community and junior colleges on the pattern of higher education." The new setup will enable junior college students to complete a definite body of preparatory courses before applying for admission into the College of Engineering with advanced standing, he added.

Another primary goal of the new system is to insure that students are given a firm foundation in basic mathematics and science, Dean Johnson stated. "The tremendous expansion of knowledge in recent years has reduced the amount of specialization possible in a four-year program," he said. "We believe that the undergraduate program must now be greatly devoted to a solid grounding in the broader, more common aspects of engineering together with the fundamentals of the specific discipline with specialization in the later years and at the graduate level."

Dean Johnson pointed out that the junior and senior years will have another big advantage: The student will have two years of basic studies during which to decide what area of engineering he wants to concentrate on before making a firm choice.

"This system will also give us a good measurement of the student's achievement during his first two years and his potential for the next two years," he added.

Los Angeles, Calif.—A Faculty Senate resolution opposing the Associated Students of the University of Southern California plan for "Professor Evaluation" expresses the disapproval of any action taken by the ASSC to conduct an evaluation of the university curriculum or the faculty.

It states that students are not qualified to evaluate either curriculum or faculty and it heartily recommends that all faculty members refuse to participate in such an evaluation.

ASSC President Scott FitzRandolph, speaking for the student body, said that "a motion was brought up in the ASSC to form the professor evaluation plan. We merely intended to express the students' opinion so the university administration and faculty will know how students feel about their education."

"Contrary to what some members of Faculty Senate think, the plan was not to rank professors in order of their personality or student preference. We realize," he explained, "that they know more about education than we do, it is their job. But we do feel that it would be a help to them to have an accurate statement of student opinion, rather than the scattered and unreliable opinion of the few students who do speak up. And these do not represent the majority of the student body," he added.

Barbara Myers, chairman of the committee on Professor Evaluation, said that she felt that the "main reason the Professor Evaluation plan ran into difficulty was because of its title. Evaluation sounds as if the students were going to evaluate the professors on a personal basis. We actually never intended to evaluate, but merely to acquire a cross-section of student opinion. This would be about certain areas of class content; namely testing, grading and class discussion."

SUCCESS STORY WPI STYLE

A recent article in *Fortune* magazine has once again brought into the limelight one of Tech's most distinguished alumnus. Mr. Harold S. Black '21 was hailed as one of the greatest men in the Electrical Engineering field today. To those who have followed his remarkable career this comes as no surprise.

After graduation Mr. Black went to work with the Bell Telephone Laboratories. It was in these early days of association with Bell that Black discovered his now-famous theory of negative feedback and began its development into what is

now a fundamental principle of electronics. It wasn't long before his work was receiving national recognition and his prominence in the field increased steadily over the years. In 1934, the A.I.E.E. awarded him a prize for a paper on stabilized feedback amplifiers. The National Association of manufacturers cited him in 1940 for his achievements in the field of science and invention and honored him as a "modern pioneer." Award followed award. He was recipient of the John Price Wetherill Medal from the Franklin Institute of Philadelphia for his contributions in the development of more efficient long distance telephoning. His development work during World War II earned him a certificate of appreciation from the War Department. In 1952 he won the annual award given by the Research Corporation for contributions to science, and in 1955 received an honorary degree of Doctor of Engineering from W. P. I. The A.I.E.E. awarded Mr. Black the 1957 Lamme Gold Medal, an award which placed him among some of the top scientists and engineers in the nation. He was honored "for his many outstanding contributions to telecommunications and allied electronic arts, especially the negative feedback amplifier and the negative amplification principle."

In addition to being recognized for his experimental and developmental work, Black has had his book "Modulation Theory" accepted as a recognized authority on this complex subject. He holds over sixty United States and foreign patents. To be sure the whole field of electrical engineering owes a debt to this man and we are proud to recognize him as one of our most distinguished alumni.

W. P. I. CLUB NEWS

A.S.M.E.

On March 10, in Higgins 109, the W.P.I. chapter of the A.S.M.E. held a business meeting highlighted by the judging of four entries in the 1959 Student Papers Contest. The evening's activities were presided over by John R. Mack and George B. Costantine.

The papers were judged by a group of six judges; three professional men; Mr. J. A. Holbrook, of Morgan Construction Company, Mr. Edwin L. Pace of General Electric Company, Mr. Addison Waddell of Riley Stoker Corporation; and three students: Mr. Robert J. Agricola, M.E. '59, Mr. Robert W. Bosma, M.E. '59, Mr. John R. Mack, M.E. '59.

Chester F. Jacobson, M.E. '59 was declared the winner of the contest. An abstract from his paper, "Triangular Panel Portable Bridge," follows: "Inadequate community bridging materials is a serious threat to the well being of every citizen living in a community which may be isolated by floods or man-made disasters. The triangular panel portable bridge is not designed to replace existing portable bridges, specifically the Baily Bridge, but rather to supplement them. This bridge is designed so that it can be fabricated by the community weld shop."

The triangular panel bridge has three advantages: there are fewer component parts and the panels are lighter than existing portable bridge panels, and the bridge may be assembled faster."

All men entering the contest received a pocket slide rule. The winner was also presented with a handbook of his choice. Mr. Jacobson will now represent W.P.I. in the Region 1 Student Conference of the A.S.M.E. to be held at Tech in mid-April. Representatives from more than ten colleges of the Northeast will be competing in the conference. The winner will receive an expense paid trip to St. Louis to compete at the A.S.M.E. semi-annual meeting as well as receiving cash prizes.

AIEE-IRE

Next Wednesday, March 25, 1959, Professor Theodore Morgan of the electrical engineering department will head up a group of professors from that department to discuss, for the benefit of the juniors and sophomores who are majoring in electrical engineering, the senior options.

This will all take place during the 11 A.M. assembly period and will be held in Alden Memorial. This meeting of the juniors and sophomores has the full support of the AIEE-IRE and will be considered an AIEE-IRE function.

In order to give the underclassmen in its department some idea of what is ahead of them the EE department is having this discussion on the choice of senior options so that the juniors and sophomores can get a clearer picture of what they may eventually branch out into in the EE department. On the 25th all questions and misunderstandings of the choice and material covered in the options will be answered by the group of professors.

This meeting is a must for all juniors in the EE department. For the sophomores, this opportunity is available to you now to become more familiar with the EE department and its objectives.

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By
ATHENEOTROLEOSPHELOS KEEGAN

Many of the Greeks, now that House weekend and "Help Week" are events of the past, have taken a breather and are resigning themselves to a definite increase (?) in study. However, the forthcoming Spring vacation and J.P. Weekend are providing food for thought.

11 Boynton Street witnessed, this past week, the occasion that all pledges are so fond of—Help Week. As a result, there was no social activity planned over last weekend. Next Saturday, however, the Greeks of S.P.E. will participate in a little activity to celebrate the initiation of the new brothers. A cocktail party is scheduled to be followed by a buffet supper deluxe, fashioned by the culinary artistry of Sig Ep's new cook, Dick Patnod. After that, brothers new and old will travel up to the Hill to attend the dance being put on by the Freshman Class, "Spring Fever". It looks like another swinging time is coming up at Sig Ep.

A St. Patty's Day party was the highlight of the past weekend at Theta Chi. The brothers and dates, bedecked in green, kept the party rolling to the tunes of "Wild Irish Rose" and other appropriate songs. As the throats went harsh, all drank a well-deserved toast to the victorious OX bowling team. The brothers are happy to announce that their fraternity flag has finally made its way back to the premises after disappearing on the eve of Tech's football victory over Norwich University. Many thanks to all who made this recovery possible.

The Lambda Chi's enjoyed another eventful weekend as they held their annual Initiation Banquet, held in behalf of the new brothers this past Saturday. After dinner at the Franklin Manor, they departed, along with many of their alumni to 30 Trowbridge Road where a band was just beginning to warm up. Here they were entertained by another artful production of their exclusive Thespian Society followed by a night of dancing into the early hours of the morning.

Fatigue and memories are all that remain at the TKP village after their annual House Weekend. Late Friday afternoon, the brothers and their dates headed up to Alumni Gym to see the newly outfitted "Kap Trotters". The team was introduced to the strains of "Sweet Georgia Brown" played by Ed Boduch (Alvin, the Chipmunk!). Returning from the tilt, a formal dinner was served under the direction of Steward Arthur "Kips" Legall. Credit must be given to Frank, the chef, who prepared the delicious meal. The social part of the evening got into swing in the still unfinished "Kap" gameroom where they danced to the lilting chords of Ed Boduch's "Cavaliers". Bohemian atmosphere provided the decor for the

evening, complete with red-checked table cloths, sawdust floor, candles and appropriate wall decorations. Once again, the partially renovated gameroom contributed to the success of the party. George Yule, newly appointed Social Chairman, will have to do quite a job keeping up to the standards initiated by "Pope" Lovetere. Fortunately, the ROTC drill rumored for Saturday morning did not become a reality. It gave everyone a chance to rest up for the day's activities. Frank, the Chef, came through again, with a delicious steak dinner with all the trimmings. The heavy snowfall was the only cog in the wheels for the outing at Brother Norman's Lodge on Lake Manchaug had to be cancelled. After dinner things really "snowballed". The brothers, dates and anyone else who was in the vicinity of 26 Institute Road, became involved in a giant snowball fight led by the "Pachyderm" and "Red Light" Cohee. After a few broken windows, a parley was called and everyone again went up to cheer for the "Trotters". Following the game, everyone headed for Webster-Dudley Country Club for the "Happy Hour" preceding a fine evening of dinner and dancing.

Sunday morning dawned and the girls, tired, but happy, bid their fond farewells and rushed to make bus, train and car connections. During the weekend, however, the TKP Bachelor Club lost one of its charter members. . . . Ed Russell, who pinned Betty Mott. Question: Ches still wants to know if "Big Mama" Bourré still hates him? (Ed. Note) Thanks, M.K.C.

WORCESTER TECH REPRESENTED AT MEETING AT CLARK

Representatives of some twenty Southern New England Colleges and Universities attended the regional meeting of the College Entrance Examination Board at Clark University on Tuesday, March 10. Among these were our own Deans Downing and Hollows. Meeting with these men were three members of the Board's Testing Service and high school guidance counsellors.

The meeting began with a coffee hour at 10:30 A.M., followed by an address by Mr. Frank Bowles of the Testing Service. In this address, he cited the serious admissions problems peculiar to this region of the country, for only here do the demands of college applicants far exceed the room available. This can be exemplified by the marked differences in college entrance requirements throughout the nation. In other regions, for instance, schools require an average score of less than 400 on the "College Boards", while here in Southern New England, an applicant must score at least 500 to be considered for accept-

ance. Mr. Bowles also pointed out the definite necessity of pre-entrance testing. Without such testing, he asserted, the schools find themselves having to "flunk a good percentage of their Freshmen to retain their scholastic standings. This proves to be an expensive process while the "College Boards" provide an accurate picture of an applicant. In fact, through repeated trials, these tests have been proven correct in ninety-nine per cent of the cases tested.

Although the meeting was primarily concerned with the mechanics of the Testing Service, quite a few subjects pertaining to educational problems in general were also discussed. This was the only meeting which provided an opportunity for guidance personnel and college admissions people to get together and work out mutual problems.

GENERATOR TO SPARK PHYSICISTS

The newest addition to the long line of research equipment being made available to Worcester Tech through the Olin Foundation grant is a two million volt Van de Graff generator slated for installation in The Olin Hall of Physics during the spring vacation.

Weighing in at three tons, the fifteen foot long unit is capable of accelerating positively charged ions to speeds approaching two million volts with an accuracy of one tenth of one per cent. These ions will be used to bombard the nuclei of known elements in the study of nuclear forces and energy levels. The total unit, valued at close to one hundred thousand dollars, consists of the basic generator, and a deflecting magnet, for precise aiming of the ion beam, to be added at a later date.

According to Dr. B. A. Wooten of the Physics Department, installation presents many problems concerning insulation and shielding from the high voltage and dangerous atomic radiation developed by the apparatus. However, Dr. Wooten assures Tech students that the generator will be installed in a room that meets the manufacturer's requirements for adequate shielding.

"Research projects made possible by the Van de Graff generator," states Dr. Wooten, "will provide valuable information about the nature of fission and fusion, aiding in the development of more efficient and varied uses for atomic energy."

Dr. F. P. Bundy Will Speak

Dr. Francis P. Bundy, General Electric physicist who was one of the group of scientists which succeeded in producing man-made diamonds, will serve as a visiting lecturer at Worcester Polytechnic Institute, Worcester, Mass., on Thursday and Friday, March 19 and 20.

He will visit under the auspices of the American Association of Physics Teachers and the American Institute of Physics as part of a broad, nationwide program to stimulate interest in physics.



The American Institute of Physics is a federation of the five principal societies in the field of physics research and teaching, including the American Physical Society, Optical Society of America, Acoustical Society of America, Society of Rheology, and the American Association of Physics Teachers.

Lectures, informal discussions, assistance to faculty members concerning curriculum and research problems in physics, and talks with students will feature

Dr. Bundy's visit. Arrangements for the lectures are being made by Professor Allan E. Parker, Head of the Department of Physics at Worcester Polytechnic Institute.

Dr. Bundy, a native of Columbus, Ohio, received his bachelor's degree from Otterbein College in Westerville, Ohio and his Ph.D. in physics from Ohio State University.

He was on the faculty of Ohio University and was a research associate at Harvard University. In 1945 he was a research physicist at the U.S. Navy Underwater Sound Laboratory.

He is a Fellow of the American Physical Society and the Acoustical Society of America and is a member of Sigma Xi.

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Placement News

Mr. William Trask, Director of Placement, reported that though many have not accepted job offers as yet there are quite a few offers out. Even more offers are expected from companies which have not yet notified the Placement Office concerning interviews in January and February. More interviews are planned for March and April. The April interviews, however, will concern mostly Juniors looking for summer jobs. A Junior looking for summer work must fulfill two requirements. First, the firms are interested in grades. Second, the locale is important since the summer jobs do not pay well enough to make it worthwhile to live out of town. There are few offers for Freshmen and Sophomores. Companies can easily get people to do the type of work the underclassmen would do in their home town.

It is strongly suggested that those concerned watch the bulletin board closely for cancellations and additions.

Some changes have been made in the procedure for applications for dormitory positions. Mr. Trask of the Placement Office has made the following announcements pertaining to these changes:

Upperclassmen may obtain Dormitory Room Reservation Cards in the Placement Office in Boynton Hall. These cards should be submitted to the Bursar's Office with a \$10 non-refundable room deposit before May 1, of this year. These residents will be required to eat at Morgan Hall Cafeteria. Reservations will be confirmed by Mr. Trask as soon as assignments are made.

Applications for Head Counsellors and Student Counsellors in Sanford Riley and Morgan Halls should be filed before May 1 in the Placement Office. Head Counsellors (2) will be Faculty, "Grad" Students, or Seniors. Student Counsellors (13) will be Graduate Students, Seniors or Juniors. Stipend for Counsellors will be Room and Board. Applications for the dining hall staff in Morgan Hall can be made at the same time and place.

Waiters for special Luncheons and Banquets may file their applications at the Placement Office also.

PROGRESS—From Page 1

tories in order to provide adequate laboratory, classroom, and office space for chemistry and chemical engineering. The present building is used both by the Physics and Chemical departments. The remodeling will cost an estimated \$600,000.

Due to the fact that costs for construction have risen so rapidly, it was necessary to raise the proposed goal by almost a million dollars and thus it may be necessary to take longer than originally planned to accomplish all the goals. However, as the chairman of the Board of Trustees, Mr. Philip M. Morgan stated, "achieve them we will with the volunteer help and wisdom of our alumni, our friends, and industry."

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CIVIL SERVICE DEPT. SEEKS ENGINEERS

Engineers who are interested in beginning a career in the development of water resources in the West are being sought for employment with the Bureau of Reclamation, the U.S. Civil Service Commission has announced. The Bureau of Reclamation, which plans, designs and builds engineering works to supply irrigation water to farms in the 17 western-most states, offers young engineers an opportunity to take part in some of the greatest engineering works in the world. Many huge irriga-

tion projects have been authorized by Congress and are now underway.

The jobs to be filled pay starting salaries of \$4,490, \$5,430, and \$6,285 a year. Practically every type of civil engineering, as well as most types of electrical and mechanical engineering is encountered in the Bureau's design and construction work. Details about the jobs to be filled, the requirements to be met, and instructions for applying are given in civil service announcement No. 10-1-1(59).

Also announced by the United States Civil Service Commission was the fact that radio engineers are needed in the Federal Communications Commission at various locations throughout the United States and its territories and possessions. The entrance salaries for these positions are \$4,490 and \$5,430 a year.

College graduates and senior students who have successfully completed, or expect to complete within 9 months, a 4-year professional engineering curriculum in such fields of engineering as radio, electrical, electronic, communications, etc., or in physics may be qualified for positions paying \$4,490 a year; or if they have maintained a "B" average or were graduated in the upper 25 percent of their class, they may be qualified for positions paying \$5,430 a year. Applicants who have had a year of appropriate graduate study or 1 year of experience in radio engineering may also qualify for positions paying \$5,430 a year.

Students interested in learning more about these jobs and how to apply should inquire at the Placement Office for information.

TECH FACULTY—From Page 1

Lawrence C. Neale was advanced from assistant to associate professor in the department of mechanical engineering. Professor Neale was a graduate of WPI in 1940 who also received a master's degree here. He is assistant director of the Alden Hydraulic Laboratory which staff he joined in 1943.

Miss Athena Pappas was promoted from assistant registrar of the college to registrar. Miss Pappas has been assistant registrar since 1957 and since 1946 has been assistant to Miss Gertrude R. Rugg, WPI registrar who retires in June to close a 40-year career on the Tech administrative staff. Miss Pappas was educated at Auburn High, Salter Secretarial School and Clark University.

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sophomores
enter advanced
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during 1958?

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you gather LEADERSHIP experience. The executive ability you gain as an Army officer will be an important advantage in any civilian career. That's why employment directors often prefer men who have served as commissioned officers. These men have already proven their capacity to handle executive responsibility.

2...TRADITIONAL REWARDS

In every organization, greater responsibilities mean greater rewards. The traditional prestige of an Army officer is matched by material advantages. A second lieutenant earns a minimum of \$355.88 per month—plus substantial fringe benefits. Think you might want to marry soon after graduation? An officer's salary can

make things a great deal easier for a married couple just starting out. What's more, an Army officer is entitled to take his dependents with him, wherever possible. Imagine sharing the fun of travel with your wife—in the United States or foreign countries like France, Germany or Japan.

TRADITIONAL Responsibilities
Rewards

U.S. ARMY R.O.T.C.

SOPHOMORES: Are you considering whether to apply for advanced Army R.O.T.C.? Why not discuss your decision with the Professor of Military Science and Tactics at your college? He'll be glad to talk it over with you.