

INSTRUCTING STAFF CHANGES ANNOUNCED

Corporation Holds Quarterly Meeting and Approves Staff Promotions

NO PRESIDENT YET

The Corporation of the Institute held its regular quarterly meeting last Wednesday. While no decision was reached as to the new president of the Institute, many important changes in the staff were approved. Two resignations were also announced and accepted at the same time.

The first was that of Prof. H. O. Hofman of the Department of Mining and Metallurgy, who retires after thirty-seven years of active service with Technology and the other, that of Professor H. P. Talbot '85, who resigns as head of the Department of Chemistry. The latter, however, will continue as chairman of the Administrative Committee and as Acting Dean.

Professor Hofman, whose resignation is accepted, came to the Institute in 1885 to lecture in metallurgy and was added to the Faculty four years later; he has been with the Institute since that time. He is widely known for his treatises on the subject of metallurgy and was head of the department until two years ago, when he relinquished the post on account of ill health.

Dean A. E. Burton, who left the Institute on leave of absence last year after being with the Institute for forty years, is now also put on the retired roll, with the title of "Professor Emeritus." Dean Burton was the Institute's first dean and held the post from its establishment until last June, when he left for California.

Approve Staff Changes

One hundred and ten changes in the instructing staff were approved also, to take effect at the end of the present school year. The approved changes involve 26 promotions, 37 appointments and 47 resignations. Besides the changes in the instructing staff, the election of three new term members of the Corporation was ratified. The following is the list of changes:

To the CORPORATION:

L. D. Gardner '98, of New York
F. W. Lovejoy '94, of Rochester, N. Y.
W. C. Potter '97, of New York

Promotions

To Heads of Departments:

Professor C. L. Norton, Department of Physics
Professor S. C. Prescott, Department of Biology and Public Health.

To the Grade of PROFESSOR EMERITUS:

Dean Alfred E. Burton

To the grade of PROFESSOR:

R. P. Bigelow to Professor of Zoology and Parasitology
R. R. Lawrence to Professor of Electrical Machinery
H. W. Shimer to Professor of Paleontology

To the grade of ASSOCIATE PROFESSOR:

E. E. Bugbee to Associate Professor of Assaying and Metallurgy
J. W. Howard to Associate Professor of Topographical Engineering
R. G. Hudson to Associate Professor of Electrical Engineering
H. H. W. Keith to Associate Professor of Naval Architecture
W. V. Lyon to Associate Professor of Electrical Machinery
W. H. McAdams to Associate Professor of Chem. Engineering
E. B. Millard to Associate Professor of Theoretical Chem.
George Owen to Associate Professor of Naval Architecture
L. S. Smith to Associate Professor of Theoretical and Applied Mechanics
G. W. Swett to Associate Professor of Machine Design
D. S. Tucker to Associate Professor of Economics

To the grade of ASSISTANT PROFESSOR:

Dean Peabody to Assistant Professor of Applied Mechanics
W. P. Ryan to Assistant Professor of Chemical Eng.

(Continued on Page 4)

MATH OPTION IN COURSE IX ADDED

Mathematics IX-C Is Name of New Institute Course

APPLIED MATH FEATURED

The new schedule of courses of instruction for next year contains the announcement of a new course to be added to the curriculum of the Institute. The new course leads to the Bachelor's degree for men who desire to specialize in Applied Mathematics. It is a course well adapted to serve as a preparation for later specialization in pure mathematics in mathematical-physics, or along lines of experimental physics or engineering requiring a high degree of proficiency in mathematics.

Provides Electives

Considerable latitude in the choice of subjects is provided for in the electives of the junior and senior years in order that the student shall be able to take, if he so desires, a considerable amount of work in general studies, or in scientific and engineering subjects in which mathematics play an important part, in addition to his purely mathematical courses. For example, he may elect courses in Thermo-dynamics, Mechanics, Electricity, or in Physical Chemistry.

While a definite schedule for the second year is offered, any student who has completed satisfactorily the work of the first two years in any of the professional courses of the Institute, or their equivalent, provided always that a creditable record has been obtained in mathematics and physics, may be admitted to the work of the junior year in this Option.

AERONAUTICAL'S GLIDER MAKES FIRST FLIGHT

Pilotless Machine Flies Across Tech Field Successfully on Trial Trip

The first trial of the Aero Society's glider was successfully held on Tech Field early last Wednesday morning. This trial was made under conditions unfavorable for soaring flight, so that it was impossible to carry a pilot, but the builders are well satisfied with the results.

The purpose of the tests is to determine the control which the pilot will have over the glider, before any attempts are made to make an extended flight.

Since there was practically no wind stirring, the speed necessary to obtain a big lift was beyond the reach of the men pulling the machine by a rope. However, the machine finally took off and flew across the football field, when pulled by three men.

The greatest height reached was about eight feet off the ground, at an air speed of about 12 miles an hour. An air speed of 20 miles an hour is estimated as necessary to lift plane and pilot. In future tests this speed may be obtained by using a machine to tow the glider.

HIGH SCHOOL DANCERS INVADE WALKER TUESDAY

Cambridge Latin Seniors to Hold Class Affair

Tuesday night the main hall of Walker will be enlivened by the Seniors of the Cambridge High and Latin School when they hold their annual reception and dance. For the past two years it has been held in Walker, and has been attended by many men of the Institute who were staying to attend Summer School.

The dance will run from eight to one and the music will be furnished by Syd Reinherz and his best eight piece orchestra. He will be at the piano himself. Frequenters of Whitney and Gardner halls in Brookline are acquainted with the orchestra, for it plays there frequently. Dartmouth and Brown functions also often call upon Syd to furnish the music for their events.

Punch will be served all evening, and supper will be served in the main hall during the intermission. It will be informal, and the admission is \$3 per couple and may be paid at the door. There are 16 dances on the program. Special dance order favors will be given.

SENIORS ATTENTION!

Seniors are to meet for the Baccalaureate Sermon at 3:30 o'clock Sunday on the Rogers steps and march to the Church. Special pews will be reserved for friends and arrangements will be made for seating members of the Faculty.

SUPT.'S OFFICE FLOODED WITH UNCLAIMED ARTICLES

Dollar Refund Fails to Attract Locker Key Holders

The collection of unclaimed articles at the Office of the Superintendent of Buildings and Power has grown to such proportions that it threatens to crowd out the office force for want of room.

Among the things unclaimed for are coats, hats, rain coats, hockey skates, books, lab aprons, fountain pens, and a dozen and one other articles of every description. If they are not claimed before June 30 they will be turned over to the T. C. A. for disposal.

The Office also wishes to announce that there will be no refund given after June 30 on keys to lockers whose leases have expired. Since the refund is a dollar on each key, the Office feels that it is worth the students' while to bring them in.

YEAR MARKS SUGGEST FOR MUSICAL CLUBS

Fall Concert Given for First Time—Ten Day Tour Made of Middle West

SEASON IS REVIEWED

Following a long established custom, the Combined Musical Clubs opened their season early in November with a concert at the Franklin Square House. Prior to this time there had been the usual try-outs and rehearsals of the three clubs under the guidance of the respective leaders.

After the Franklin Square House concert several concerts were given in the towns and cities about Boston. The final affair of the fall term was the Fall Concert. This is a new institution and one which the management plans to continue.

The day after Christmas the clubs started off on their annual trip, the trip this year being longer than in the preceding years. Concerts were given in Schenectady, Rochester, Akron, Rockford and Chicago. The trip lasted about ten days, the men getting back on the first day of the winter term.

During the winter and spring terms concerts were given at various neighboring cities and at Radcliffe, Sargent and Wellesley. At the end of the winter term the annual Winter Concert was given, and was a success, the management states, from every point of view.

The culmination of the season was reached Junior Week when the Spring Concert was held at the Hotel Somerset. This was the last and largest concert of the year.

On May 3 the thirty-sixth annual banquet was held at the Hotel Lenox. At this time the management for the season of 1922-23 was announced.

Notably, the year 1922 marked the establishment of the Choral Society. This was established for the purpose of extending to men who desired, an opportunity to cultivate their voices. Under the instruction of Mr. Townsend a very creditable organization was built up.

Next year's plans call for a rather extensive trip for the Clubs in the fall of 1923. The trip may include the South, and as soon as the plans are definitely fixed an announcement will probably be made.

D. R. WAUGH '22 VISITS INSTITUTE WITH BRIDE

D. R. Waugh '22, a former night editor of THE TECH, and at present Assistant Managing Editor of the Columbia Spectator, visited the news room of THE TECH Wednesday afternoon, accompanied by his bride of a few days. Mrs. Waugh before her marriage was Miss Marion Weeks of New Rochelle, New York, and the couple plan to make their home there when Mr. Waugh finishes at Columbia this year.

REGISTRATION FOR SUMMER SESSION DUE

Should Be Completed by Tomorrow—\$2 Fine for Lateness

MANY REQUIRED COURSES

Registration for the summer sessions should be completed by tomorrow. The usual fine will not be in effect at this date, but if registration is not completed and tuition paid up by four o'clock on the day previous to the beginning of the course, a fine of \$2 will be imposed.

Summer sessions this year are divided into five classifications: required courses, elective courses, entrance subjects, courses for United States Army officers, and courses differing from the regular subjects offered at the Institute.

Surveying Camp Starts August 1

Second year students in Courses I, XI, and XV, option 1, are required to attend the Summer Surveying Camp at East Machias, Maine, starting August 1. First year students in Courses V, VII, XI, X, XIV, and XV, option 3, are required to take Qualitative Analysis 510 beginning June 12. Industrial Chemical Laboratory 1051 begins August 28 and is required for students in Course X-B.

Surveying 100a starts on June 12 and is required in Courses III, option 2, VI, and XV, option 2. Course VI-A will be at the Institute all summer taking regular courses. Mechanical Laboratory 296 is required for first year students in Course XV, option 2. Mechanism 203 in first year Course XIV, Machine Drawing 214a for first year Course III, option 2, Office Practice 421b for second year Course IV, option 1.

R.O.T.C. MEN RECEIVE REAL TRAINING IN AIR

All Details of Service Given at Mitchell Field Sum- mer Camp

PLAN FOR MANY ATHLETICS

The Air Service holds its summer camp for R. O. T. C. students this year at Mitchell Field, Long Island. It is estimated that about 35 students from the Institute will attend, and every effort is being made to prepare as instructive and interesting a course as the time, equivalent, and funds will permit. It is proposed to give each student approximately one hour practical instruction in the air each day. During the first week, he will be given three trips designed to familiarize him with general conditions in the air, the appearance of the ground, the features of the surrounding terrain, and an idea as to different altitudes. This will include a trip at relatively high altitude, with instruction in reading and interpretation of the instruments, such as the revolutions of the motor, the controls for managing the airplane, and the safety belt.

Cross Country Flying Given

Another trip will be in a twin motor heavy bombardment machine. The first three days of actual training will be devoted to aerial marksmanship using camera guns. The camera gun is modelled after the Lewis machine gun in form, weight, and method of operation. The magazines contain films instead of service ammunition, and when the trigger is pulled, a photograph of the hostile airplane is taken, showing its relative position with respect to the sights at the instant the gun was fired. The course is a progressive one with the idea of training the student to act instinctively in handling the gun. As a final step, several hostile planes act in concert, and the elements of surprise and mutual protection in formation are introduced.

The cross country work which follows is a practical application of the instruction received at the Institute. The students are instructed in reading and preparing maps from the air, orientation upon coming out of clouds, determination of wind velocities, and making necessary corrections. They are then taken over irregular routes with destination unknown to them and are called upon to plot accurately the course on the map as flown over (Continued on Page 3)

SENIORS HAVE RIGHT OF WAY THROUGH TOWN

Stage Hilarious Parade Down Washington Street on Way to Picnic

DIRTY THIRTY-NASTY NINE BALL GAME IN DISPUTE

Several Seniors Entertain Voluntarily in Effort to Cheer Mates

Boston's Police Department showed its respect for Technology traditions and spirit when it cleared the way for the Seniors on their parade down Washington street Tuesday. The thoroughfare was completely freed of all traffic and machines were herded into side streets as the graduating class sped along from Kneeland to Hawley streets and thence to Rowes Wharf.

Starting from Charles River road at 9 o'clock sharp, four cars, filled inside and out with picnickers went across Harvard Bridge, down Boylston and by side streets to Kneeland where the men disembarked for their parade. Several large banners, one of them 40 feet long, announced that Technology, or at least part of it, was on a holiday.

Big Banner on Steamer

It was a decidedly riotous crowd which took command of the Nantasket steamer, and noise of every sort filled the harbor as the Seniors steamed down. The big banner was placed just beneath the pilot house, and smaller ones were hung from the stern and along the sides. At the masthead floated a 1922 pennant just by way of advertising that the Seniors were not to be taken for the entire school.

Promptly according to schedule the various events were run off. First came the pool-length dash which was won in fast time by Preston Robinson '22. Then followed the diving in which W. B. Purinton '22, showed his usual form and won easily. Other events and their winners were: tub race, C. H. Baker '22; pole joust, J. R. Norton '22. The degree rush pro-

(Continued on Page 3)

STUDENT PUBLICATIONS MAKE SPECIAL OFFER

Members of Senior Class May Obtain Subscriptions at Reduced Rates

By a joint agreement of Voo Doo, The Tech Engineering, and THE TECH, members of the graduating class may purchase subscriptions at considerably reduced rates. The only condition of the agreement is they must subscribe for at least two of the three papers.

The present price of a year's subscription to Voo Doo is \$1.75, The Tech Engineering News, \$1.75, and THE TECH, \$2.50. The new reduced prices are: Voo Doo, \$1.50, The Tech Engineering News, \$1.50, and THE TECH \$2. This offer is only to this year's graduating class, and is good only provided two or more of the publications are taken.

The object of this step is to encourage the men who graduate from the Institute to keep in better touch with it. Although many of the graduates still take an active interest in the school and in student activities, a larger part of them lose the spirit in the press of work. It is believed that a closer connection between them and the Institute would be profitable to both.

CALENDAR

Friday, June 9
9:00—Senior Prom, Hotel Somerset, formal.
Saturday, June 10
2:00—Class Day, Great Court, white flannels.
Sunday, June 11
4:00—Baccalaureate Sermon, Trinity Church, Copley Square.
Monday, June 12
2:30—Commencement, Great Court.