

SCHEDULE OF SEMI-ANNUAL EXAMINATIONS 1918

EXERCISES WILL END ON WEDNESDAY, JANUARY 16, AT 1 P. M.

Date	Subject	Year	Time	Date	Subject	Year	Time	Date	Subject	Year	Time	
Thursday, January 17	Alternating Current Mach. 623	4, G	9.00-12.00	Saturday, January 19	Mining Engineering 303	4	9.00-12.00	Wednesday, January 23	Indust. Chemistry I 575	4	1.30- 4.30	
	Biochemistry 524	4, G	1.30- 4.30		Philosophy of Architecture 451	4	9.00-11.00		Mathematics M21	2	9.00-12.00	
	Electrical Engin. 604	4	9.00-12.00		Proximate Technical Anal. 530	4	9.00-12.00		Naval Architecture 1302	4	9.00-12.00	
	English E11	1	1.30- 3.30		Struct. of Metal, Wood, and Masonry 156	G	9.00-12.00		Naval Architecture 1301	3	9.00-12.00	
	English E20	2	9.00-11.00		Theoret. Biology 703	4	1.30- 3.30		Organic Chemistry I 551	3	9.00-12.00	
	English E21	2	9.00-11.00		Vertebrate Anat. 710	3	1.30- 4.30		Organic Chemistry 550	2, 3, 4	9.00-11.00	
	English E23	2	9.00-11.00		Special Examinations		9.00-12.00 1.30- 4.30		Railroad Engineering 125	4	9.00-12.00	
	European Civilization and Art H36	G	1.30- 4.30		Applied Mechanics 215, III, X; 216, II, XIII, XV(2); 217, I, XI, XV(1); 218, VI, VI(a); 220, IV(2), XV(3)	3, 4	9.00-12.00		Storage Batteries and Their Applications 653	4	1.30- 3.30	
	Food Analysis, Advanced 526	4	1.30- 3.30		Applied Mechanics 219	3	9.00-11.00		Special Examinations		9.00-12.00 1.30- 4.30	
	Industrial Organ. Ec56	3	9.00-12.00		Central Stations 636	4	9.00-11.00		Thursday, January 24	Biology, Elements of 702	3	1.30- 3.30
	Machine Design 267, 267a	4	9.00-11.00		Desc. Geometry D15	1	1.30- 4.30			Business Management Ec58	4	9.00-12.00
	Metallurgy 331	4	9.00-12.00		Food Analysis 525	3	9.00-10.30			Chemistry of Road Materials 538	3	9.00-12.00
	Political Economy Ec31	3	1.30- 3.30		Foundations 148	4	9.00-12.00			City Milk Supply	G	1.30- 4.30
	Structures 149, 151	4	9.00-12.00		Ore Dressing 307	4	9.00-11.00			Constructive Design I 481	4	9.00-12.00
Water power Engineering 173	G	1.30- 4.30	Organic Chemistry 551	4	9.00-12.00	Electrical Engineering, Prin. of 609	3	9.00-12.00				
Special Examinations		9.00-12.00 1.30- 4.30	Physics 801	2	9.00-11.00	French II L62	1	1.30- 3.30				
Friday, January 18	Architectural History 441	2	1.30- 3.30	Vital Statistics 190	4	9.00-12.00	Geology Econ. 1255, 1256	4		9.00-12.00		
	Bridge Design 153	4	9.00-12.00	Water Supplies and Air 520	3	10.30-12.00	German, Elementary L11	1		1.30- 3.30		
	Bldg. Construction 480	3	9.00-11.00	Water Supply and Wastes Disposal 522	4	1.30- 3.30	German II L21	1		1.30- 3.30		
	Chemistry 501	1	1.30- 4.30	Special Examinations		9.00-12.00 1.30- 4.30	Heat Engineering 248	4		9.00-11.00		
	Electrical Engineering Prin. of 602	3	9.00-12.00	Applied Chemistry 585	2	9.00-11.00	Metallography 507	4		9.00-11.00		
	Electrochemistry 882	4	9.00-12.00	Architectural History 442	3	9.00-11.00	Mineralogy and Petrology 1209	3		9.00-11.00		
	European Civilization and Art H35	4	9.00-12.00	Bacteriology 730	3	1.30- 4.30	Political Economy Ec32	2		1.30- 4.30		
	Hydraulics 163, III(2), IV, XIII, XV(3)	4	1.30- 3.30	Biology of Infectious Diseases 751	4	9.00-11.00	Structural Design 491	3	9.00-11.00			
	Hydraulics 164, II, III(3), XV(1),(2)	4	9.00-12.00	Business Law Ec61	4	9.00-12.00	Testing Materials Lab. 239	4	9.00-11.00			
	Hydraulics 165, VI	4	9.00-12.00	Dynamics of Mach. 243	4	9.00-12.00	Special Examinations		9.00-12.00 1.30- 4.30			
	Mining Engineering 302	3	9.00-12.00	Electrical Engin. Elem. of 618, 619	3, 4	9.00-11.00	Friday, January 25	Bacteriology of Water and Sewage 732	4	1.30- 3.30		
	Qualitative Anal. 511	2	1.30- 4.30	Electrical Engin. 605, 2d trm.	4	9.00-12.00		Desc. Geom. D15, D16, College Class		9.00-12.00		
	Quantitative Anal. 512	2	1.30- 4.30	German, Adv. L31, V, VIII(1),(2); L32, VIII(3), XIV; L(33), X, XV(3)	2	1.30- 3.30		Fire Assaying 322	3	1.30- 3.30		
	Railroad Engineering 121	3	9.00-12.00	Hydraulics 162	4	9.00-12.00		Hydraulic Engin. 168, 2d term	4	9.00-12.00		
Spherical Trigonometry M20	2	1.30- 3.30	Metallurgy of Zinc 340	4	9.00-11.00	Lithology 1211		3	1.30- 2.30			
Theoretical Chemistry I 565	3, 4	9.00-12.00	Mining Eng. 306	3	9.00-12.00	Physical Laboratory 807		2	9.00-11.00			
Theoretical Chemistry II 566	4	9.00-12.00	Mining Engineering, Ore Dressing 305	4	9.00-12.00	Railroad Fieldwork 120 S. S. Condition		3	1.30- 4.30			
Value of Pub. Service and Other Cor. 129	G	9.00-12.00	Optical Meth. in Chem. Analysis 527	4	1.30- 3.30	Structural Drawing 490		3	9.00-11.00			
Special Examinations		9.00-12.00 1.30- 4.30	Professional Relations 422	4	9.00-11.00	Ventilation and Drainage 1333		4	9.00-12.00			
Saturday, January 19	Applied Mechanics 229	4	9.00-11.00	Quantitative Analysis 513	3	9.00-12.00		Special Examinations		9.00-12.00 1.30- 4.30		
	Biology, General 701	2	1.30- 3.30	Trigonometry, Plane M10	1	9.00-12.00		Saturday, January 26	Electrochemistry, Elements of 881, 890	4	9.00-11.00	
	Chemical Eng. II 577	4	9.00-12.00	Special Examinations		9.00-12.00 1.30- 4.30			French I L61	1	9.00-11.00	
	Desc. Geometry D21	2 & Coll. Classes	1.30- 4.30	Electrical Engineering, Elements of 615	3	9.00-12.00			Municipal Sanitation 177	4	9.00-12.00	
	Desc. Geometry D23	2 & Coll. Classes	1.30- 4.30	Electrical Engineering, Elements of 617	4	9.00-11.00			Precision of Measurements 803	2	9.00-11.00	
	Electric Tr. and Dist. of Power 633	4	9.00-12.00	Electric Wiring and Light. of Buildings 651	3, 4	1.30- 3.30	Special Examinations			9.00-12.00 1.30- 4.30		
	European Civ. and Art H33	3	9.00-12.00	Fire Assaying 321	3	1.30- 4.30	Saturday, January 26					
	Geology, Struct. and Field 1262	3	9.00-12.00									
	Heat Engineering 245	3	9.00-12.00									
	Heat Engineering 247	3, 4	9.00-12.00									
	Mathematics M11	1	9.00-12.00									
	Mechanism 202 VI	2	1.30- 4.30									

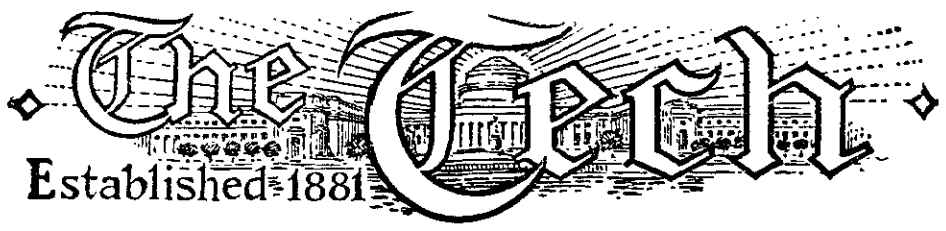
PROVISION FOR CONFLICTS.

All special examinations granted by the Faculty and all examinations postponed from September are to be taken at this time, unless otherwise specifically authorized. Entrance condition examinations are not held at this time. Students entitled to examinations not on this schedule and those having two examinations on the same day should hand in one of the official schedules checked for all their examinations not later than January 11. Assignments for special examinations and new appointments for conflicts will be mailed to students on Monday, January 14. None will be arranged later.

Reports will be mailed to students of age and to others not living at home to the term residence, also to the parents or guardians of students not of age. None will be given out verbally. Requests for duplicates will be received until January 16.

For the Faculty Committee on Examinations,
WALTER HUMPHREYS, Registrar.

The second term will begin Monday, February 4.



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Published twice a week during the college year by students of the Massachusetts Institute of Technology.

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Although communications may be published unsigned if so requested, the name of the writer must in every case be submitted to the editor. The Tech assumes no responsibility, however, for the facts as stated nor for the opinions expressed.

The Editor-in-Chief is always responsible for the opinions expressed in the editorial columns, and the Managing Editor for the matter which appears in the news columns.

IN CHARGE THIS ISSUE

K. Roman '20.....Assistant Night Editor

FRIDAY, JANUARY 4, 1918

INTENSIVE COURSES

THE establishment of intensive courses at Technology has created considerably more undue annoyance among the undergraduates than it warrants. Especially does this apply to the present freshman class, which will not be affected by them in any way whatsoever. The faculty has so arranged the work that the normal schedule of hours—720 each semester—will be observed. No new courses have been added to the curriculum, and, at the same time, it is doubtful if any are to be eliminated. But this should cause no anxiety, for the speeding up of Institute work will be attained by attending classes during the summer. Even this provision does not apply to the class of 1921. Work will be required, however, throughout the coming summer months by the class which is to enter Technology immediately following the approaching mid-year examinations.

EXAMINATIONS

WITH the appearance of the examination schedule the average undergraduate generally looks upon himself as a forlorn hope and a brilliant example of wasted opportunities. He experiences one of those keen insights into the future and its possibilities which come to a man so seldom. However, the vision is absolutely correct, so it behooves some of us to get into the grind immediately. But those who have been faithful need not worry.

It must be borne in mind that the present schedule is purely provisional and is subject to change.
 As a final admonition, do not plug the last minute.

Of late much has been said in the columns of The Tech about the intensive courses in Naval Architecture which have been established at the Institute. It may be of interest to note in connection with this that in order to make certain the carrying out of the shipbuilding work in which the government is engaged, the shipping board has virtually decided that no employe of shipbuilding concerns will be subject to the draft.

We are waiting patiently for the day when science shall regulate the weather.



At the Senior Class elections for class marshals at Harvard the members of the graduating class will pay a high tribute to the men in the service, since all the nominees for marshals are either in the army or the navy. Practically all the men nominated for the other officers of the Senior Class are also in some form of service.

Princeton is at present in the midst of financial troubles. Never before has its finances been in such a condition. The alumni have been called upon by the Graduate Council to help make up the deficit.

The co-eds at the University of Chicago have formed a rifle club and are practising regularly. The coaches express great satisfaction with the progress made by the women in marksmanship.

At the presentation of the Christmas cantata, given by Iowa University, a large service flag was dedicated to the Iowa men who have entered military service or other government work. The flag measures 7x13 feet in size.

Aviator Tex Marshall, a Cornell man, who attended the ground school at Ithaca, recently broke the Ithaca record, when he rose to the height of 15,000 feet.

Lees, catcher on the Lehigh varsity baseball nine for four seasons, has signed to play with the White Sox for the coming season. Lees is considered by many the best college catcher in the United States.

An early mobilization of the base hospital unit, composed of undergraduates of Minnesota, is expected. The unit, formed last Spring when the United States had just entered the conflict, has been "on edge" for almost six months awaiting the order to leave.

Count von Bernstorff's honorary degree from the University of Wisconsin has been cancelled. The Board of Regents voted unanimously to rescind the honorary degree of Doctor of Laws conferred upon the former German ambassador in June, 1910. The University Board of Visitors passed a similar resolution, stating that von Bernstorff is not only an enemy to America but to society and that his degree should be rescinded.

Lieut. Renee Eglise, member of the French Industrial Commission to America, and Professor Victor Grignard, professor of chemistry at the University of Nancy, recently inspected the Mellon Institute and Carnegie Tech. The French visitors are hunting industrial ideas for use during the war.

Lieut. Eglise is quoted as having said: "Our institutions have stood as high, or

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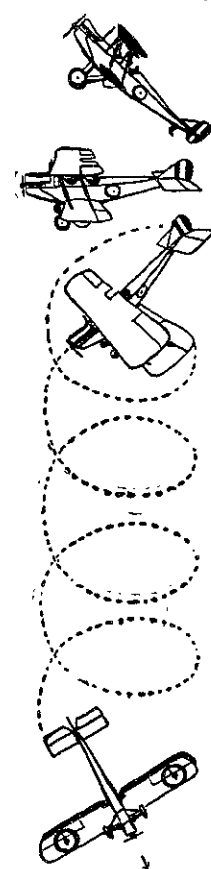
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MAGAZINE

possibly higher, in the fine sciences, but you Americans seem to make more practical use of your research results. You have speed and we certainly need that over there. We may be more exact in some things, but at the present time the application of knowledge is more important than knowledge itself. America's leading institutions seem to possess this ability to a remarkable degree.

At Colorado University the question of compulsory military training is being introduced. The students, as a whole, want the training, realizing that when they are called they will be open to quicker advancement than the untrained men.

The University of Oklahoma has been admitted to membership in the Association of American Universities. A recent letter from Herman V. Ames, secretary of the association, states that such action has been taken by the members representing the latest convention of the Association.

DeBennville (Bl), quarter-back and captain-elect of the 1918 football team at Pennsylvania, has been called into active service with Base Hospital Unit No. 20, and from all appearances will be unable to lead next year's varsity.

J. RILEY TO ADDRESS CATHOLIC CLUB

The Catholic Club will hold a meeting next Wednesday night in the "Caf." at 6 o'clock and is to be addressed by Mr. Joseph Riley on the work of the late Cardinal Newman. Mr. Riley has had charge of the civil service examinations of the State of Massachusetts and has made a study of conditions affecting the political positions held by the officers of the Commonwealth. He has given his lecture before several prominent clubs of Boston, and the officers of the Catholic Club are confident that it will be appreciated by those hearing him tonight.

The meeting will be preceded by a buffet dinner, which will be served in the "Caf." Father Turner is to be present at the lecture and will probably have some facts of general information which are of interest to the club.

As in other years the list of the members of the club will be printed in Technique 1919, and the management requests that all those who have not paid their dues to date do so before the next meeting, as the lists will be completed at that time.


After the lecture has been discussed the subject of dances will be brought up and a decision reached as to when the first will be held. These dances are a regular part of the yearly social program of the club and are of import in the social activity of the Catholic men of the Institute.

U. S. NEEDS TECHNICAL MEN FOR SERVICE DURING WAR

For further information concerning these positions, communicate with the nearest Secretary of the Civil Service Commission or the M. I. T. Committee for National Service, 908 Union Trust Building, Washington, D. C.

Cir. No.	Position	Service	Salary	Date of Exam.
1	Surveyor	General Land Office	\$1200-\$1800	Feb. 6-7
25	Junior Telegraph and Telephone Engineer	Interstate Commerce Commission	\$720-\$1680	Jan. 23
32	Laboratorian, qualified in Chemistry & Physics	Dept. Elec. Engr. Nav. Acad., Annapolis	\$1000	Jan. 15
37	Specification Writer	Bu. Yds & Dks. Navy Nat. Advisory Comm for Aeronautics	\$472-\$704	Jan. 15
56	Mech. and Elec. Engr.		\$1500	Jan. 15
1402	Assoc. Physicist, qualified Phys. Metallurgy	Dept. of Commerce	\$2000-\$2400	Jan. 15
1492	Asst. Physicist, qualified Physical Metallurgy	Dept. of Commerce	\$1400-\$1800	Jan. 15
1492	Laboratory Asst.	Dept. of Commerce	\$1000-\$1320	Jan. 15

Until further notice and on account of the urgent needs of the service, applications will be received at any time. Papers will be rated promptly and certification made as the needs of the service require.



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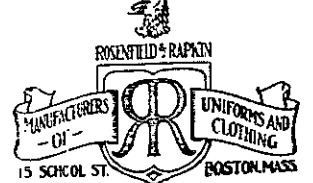
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**Technology Men
in War Service**

The Tech wishes to print the names of Technology men in War Service, whether in a military or industrial capacity, together with the branch of such service with which they have allied themselves. Notification of any corrections or changes in the information given in this column will be appreciated. Address any information of this character to the Managing Editor, The Tech, Massachusetts avenue, Cambridge, Mass.

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- Class of 1889
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H. P. Clausen, '16, Ensign. U. S. N. R. F. Ordinance.
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WILLIAM H. SAGE, JR., Capt., Engrs.
- Class of 1908
PAUL H. HEIMER, 1st Lieut., O. T. C.
JOSEPH H. SINCLAIR, in service.
CHARLES M. STEESE, Maj., Ord. Dept.
- Class of 1909
JOHN C. BOLLENBACHER, 1st Lieut., 75th Aero Squadron, Sig. Corps.
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HENRY R. SNYDER, Paymaster, Commissary Dept., U. S. N.
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FREDERICK J. SHEPARD, 1st Lieut., Ord. Dept.

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PHILIP L. SMALL, Private, N. A.
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FRANCIS P. SCULLY, 2nd Cl. Seaman, Avia. Corps.

TECHNOLOGY MONTHLY OUT BEFORE MID-YEARS

The next issue of the Technology Monthly, which is to be out next week, will be devoted to the military activities of the Institute, including the government aviation schools which have been established here. The entire magazine will be of military interest, as it will contain stories of a military nature, such as articles describing the care and use of machine guns. All material must be in by tomorrow. Aside from the military part, there will be a short story by one of the Institute students, which was awarded a prize of ten dollars. The name of the winner has been withheld until after the issue has come from the press. Announcements will be posted on the bulletin boards during the coming week announcing the definite date when the Monthly will be placed on sale.

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A. I. E. E. TO HOLD MEETING IN SMITH HALL

Next Tuesday evening at 7.45 o'clock, the A. I. E. E. will hold a national meeting in Smith Hall, room 10-250, at which a paper will be read by Mr. William B. Jackson on the subject of "Effects of War Conditions on Cost and Quality of Electric Service." This paper has been prepared by L. S. Goodman and W. B. Jackson after a research on the war conditions as effecting the central power station service and operation.

The abstract of the paper deals with a varied combination of ways in which the efficiency of modern power plants has been decreased and the expenses increased; so that the operation has been carried on only under the most difficult conditions. Among these effects are the present labor troubles due to the draft, difficulty of obtaining fuel, increase of power consumption and difficulty of obtaining repair parts for generators and

turbines. This last is a serious question for many of the electrical manufacturing companies have turned their efforts to the production of munitions, and as a result those plants at which repairs are frequent are in danger of a complete shutdown. In addition to the effects of war conditions, the dangers which the war has introduced into the central station will also be discussed.

After the meeting a discussion will take place concerning the midyear trip of the Electrical Society.

WINDUP MEETING OF ORCHESTRA THURSDAY

Next Thursday afternoon at 5 o'clock the Technology Orchestra will hold a special meeting in the "Caf." This is the last rehearsal of the term and the management hopes to see a large attendance for a successful windup.

Mr. Howard, who has led the Orchestra for several years at the perform-

ances of the Tech Show, will be present to see what material there is for this year's play. Mr. Howard is a prominent violinist and conductor in musical circles of Greater Boston and has always taken considerable interest in the Orchestra. In addition to that organization he has, in the last few years, coached the complete musical program of the Tech Show. The management expresses the wish that all those who have not yet paid their dues and initiation fee do so at the Thursday rehearsal and thus leave a clean slate with which to start the next term's work.

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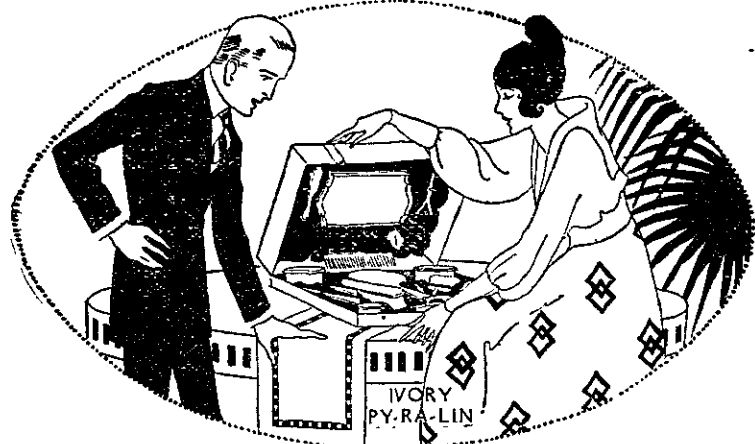
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