

PROM COMMITTEE HAS REDEMPTION DRIVE THIS WEEK

Seating Arrangements of Prom
Dinner Will be Made in
Present Campaign

1930 ONLY ON FIRST DAY

Accommodations May be Made
For Parties of any Size in
Table Reservations

Redemption of the Prom signups made during the recent campaign will begin tomorrow in the Main Lobby at 9 o'clock. At this time the remainder of the \$15 total cost of the ball will be due. Those who have not signified their intention of coming to the Prom may secure tickets by paying the entire cost now.

Redemption will be held on Thursday and Friday of this week and Monday and Tuesday of next week. Thursday will be reserved exclusively for Juniors, thus giving the Class of 1930 the preference to the dinner seats which will be assigned during the redemption campaign. Dinner reservation may be made for any size party as tables will be provided to accommodate any group.

As usual the Prom will be preceded by Tech Show which this year is entitled "A Tech Riot." This year's presentation is a radical departure from previous ones in that a series of skits will be given instead of a musical comedy. The dance will probably begin between 10 and 10:30 o'clock, and will continue until 4 o'clock. The dinner will be served at approximately midnight with the meat courses before 12 o'clock in order that the dinner may not interfere with those who cannot eat meat on Friday.

Leo Reisman and his twenty-piece band, often rated as "America's Most Artistic Dance Orchestra," will furnish the syncopating melodies for the dancers. For several years Reisman has been recording his music on Columbia records. The sale of these dance records is second in volume in the world, being exceeded only by Ted Lewis' records.

At present, Reisman is playing in the Egyptian Room of the Hotel Brunswick of Boston. His is the only well known orchestra that has ever appeared in an entertainment room of that type for ten consecutive years. In his previous engagements, Reisman has played in the Ritz-Carlton and the Waldorf-Astoria Hotels in New York, and some Broadway musical comedies.

MENORAH SOCIETY TO HEAR BRIN TOMORROW

Technology Chapter Holds Joint
Meeting With Radcliffe

Mr. Alexander Brin, Editor of the Jewish Advocate, well-known Jewish publication, will address the joint meeting of the Radcliffe and Technology Menorah Societies in the Emma Rogers Room tomorrow evening. The meeting, which is to commence at 8 o'clock, will be followed as usual by a social hour, and refreshments will be served. The Technology Chapter invites any new students who have entered the Institute this semester to attend the meeting. Old members are urged to be present, as several matters of interest will be taken up.

Informal Photographs Wanted by Technique

Snapshots and photographs for the 1929 Technique are needed by the features editor and any informal pictures will be welcomed. Pictures of students, members of the faculty, class groups, sport activities and any unusual events must be turned in by Thursday night if they are to be used in the volume.

Expert Explains Fundamentals of Modern Television

Illustrations of Principles of
Television Are Given
by Dr. Perrine

Dr. Perrine of the American Telephone and Telegraph Company gave two illustrated lectures on the principles of television in Room 10-250 on Monday, February 11. The first was given at 4 o'clock for the students and the second was given in the evening at 8 o'clock for the engineering societies of Boston. Many well-known illuminating engineers were present.

President Samuel W. Stratton introduced the speaker at the evening address and told of Dr. Perrine's work and accomplishments in the communication field. Dr. Perrine opened by tracing the history of communication and explained the historical development of the apparatus used in modern television.

Picture Transmission

Deception of the eye is the foundation of television since the eye is able to retain an impression of light for one sixteenth of a second. With this as a foundation Dr. Perrine took each step of the transmission of a picture as an individual unit.

The photoelectric cell was explained first and by means of a connection of a battery, an amplifier, and a small photoelectric cell varying amounts of light on the cell showed a decided change in the current flow. Dr. Perrine explained that a selenium cell could not be used because it did not have a good "forgettery." It retained its light as does an electric light bulb with a filament.

Show Disc Experiment

The transmission disc and the receiving disc were shown to require synchronization and exact similarity. The effect of a fast rotating disc was flashed on the screen and then the holes were run slowly over a picture showing how each part of the image is covered in one revolution of the disc. Professor J. Warren Barker '16 served as one performing at the transmitting end and although he could not be recognized when the disc was slowly rotated, his face was clearly visible when the motor turned the disc.

Changing the varying current back into the different degrees of light was demonstrated by connecting the photoelectric cell with its attachments to a neon tube. The metal plate in the bulb glowed vigorously when much light energy was put into the photoelectric cell and as the light applied changed the neon tube altered the quantity of light it emitted immediately. This action was explained by Dr. Perrine and by a sketch he showed that the molecules gained enough speed to produce light when it smashed in to another one. He used illustrations of Boston traffic to prove his point.

TECHNIQUE SIGNUP DRIVE ENDS TODAY

Technique will accept only 25 more signups for this year's volume and these must be made by 2 o'clock today either in the Main Lobby or at the Technique office in Walker. Since 975 subscriptions have been received already there will be one thousand copies of the year book printed.

Freshmen are urged to turn in their Pi Delta Epsilon subscriptions if they wish the dollar they paid toward the Technique to be of use. After today if all the subscriptions are not sold it will cost a man \$2 to make a signup.

SEA LAW DESCRIBED IN LECTURE TONIGHT

"Sea Power and Sea Law in Anglo-American Relations" will be the subject of the lecture to be given by George Young, formerly of the British Diplomatic Service, at Huntington Hall tonight at 8 o'clock. This is the fourth lecture in the series, "Diplomacy and Democracy," that is being given under the auspices of Lowell Institute.

Cardinal and Gray Quintet Loses Hard Fought Contest To Yale Cage Team 36-26

THE TECH Smoker Today Open to All Students

All candidates and new members of THE TECH will be the guests of the publication at the smoker to be given in North Hall of Walker Memorial this afternoon at 5 o'clock. All students are invited to be present at this event whether they anticipate coming out for the newspaper or not.

All candidates are needed in the news, sports, features, and advertising departments of the paper and the work in each of these divisions will be explained by the members of the Managing Board at today's smoker. All those men who enter the competition for staff positions at the time will be eligible for election to the staff in the spring.

CLUB ANNOUNCES SERIES OF TALKS

Discussions on Controversial
Subjects Scheduled by
Liberal Club

Opening a series of discussions for the second term, the Liberal Club will meet tomorrow afternoon to hear a well-known speaker whose name is to be announced. Following the address, a business meeting will be held to elect a secretary and to discuss ways and means of increasing the scope of the organization's work. Further announcements will be made through bulletin notices.

After the success of the past meetings, the Liberal Club has entered an intensive program for the next two months in its endeavor to present outstanding speakers on controversial subjects to the student body. The meeting tomorrow afternoon will begin this series of discussions, and everyone who is interested in supporting them is urged to join the club at this time.

According to the president, the next meeting will be in the form of a symposium on the subject "American versus European University Methods" to be held during the early part of next week. Further information will be revealed in the next issue.

DR. SPERRY BEGINS LENTEN SERVICES

Wm. J. Harris '30 Heads Student
Committee in Charge

Student Lenten Services, under the auspices of the special committee appointed by the Student Work Council, will begin with a talk on "Twentieth Century Christianity" by Dean Willard L. Sperry of Harvard Divinity School at Trinity Church, Boston, next Sunday evening at 7:30 o'clock.

Every year the Student Work Council composed of pastors and secretaries of the various student religious clubs appoint a committee of students to arrange a series of Lenten services. Technology is well represented on this year's committee by Chairman William J. Harris '30, Robert H. Baxter '31, Robert W. Humm Jr. G, and Fred N. Dickerman '30. Last year the average attendance at these services was 750.

Other speakers on the program are: Kenneth Pope, student in Yale Divinity School, at the First Baptist Church on Sunday, March 3 at 7:30 o'clock and Prof. Harold E. B. Speight at Old South Church on Sunday, March 17, at 8:00 o'clock.

Students at Technology are urged to attend some of these lectures as they are given by men of note around Boston, and are well worth while.

Scholarship In Aviation Given By Aircraft Co.

Award Open to Graduate and All
Undergraduate Students
of Technology

Mr. Darell B. Harmon, Secretary of the Committee on Awards of the Alexander Eaglerock Aircraft Company's scholarship, who is in Boston at the present time can not understand why so few men from Technology have tried out for the awards offered by his company. Besides the chance for having all expenses for an undergraduate or advanced course paid, the student can continue his work right here at the Institute for it is one of the two schools where the courses may be taken.

Personality Counts 70%

The award will be made to the student who has the highest rating based on 70% for personal qualifications, and 30% for a series of four papers dealing with some aspect, technical or non-technical, of aviation. These papers are due before April 30. The awards are open to both men and women, married or unmarried, regardless of race, color, or creed, providing that they, during the period of competition, are enrolled in some first class college or university. Students of all classes are eligible for the scholarship and a sliding scale has been devised so that the freshman will not be at a disadvantage as compared to a Senior.

Award Worth \$4,000

The student who gets the award, which will probably amount to \$4,000 will be decided upon by a committee consisting of J. Don Alexander, president of the company, Professor Charles Chatfield of the Institute, Alexander Kleim of N. Y. U., which is the other college where the student may take his work, Dr. Jesse Morgan, Dean of the Colorado College of Mining, and Mr. Harmon. The winner may elect to take a course in straight Aeronautical Engineering, Engineering Administration with Aeronautical Engineering option which course will be taken partly at Harvard, Education and Aeronautics, or Journalism and Aeronautics.

So far only fourteen students from Technology are on the approved list. Mr. Harmon said that a fifth year student might be considered. Beside the chance of winning the big award many ten hour courses in flying will be given to students who the committee thinks deserving. This course can be taken at either the field of the Old Colony Airways Corporation in Boston, or the Massachusetts Airways Co., at Springfield.

WORK COMPLETED ON AERO ENGINES LAB

Construction work on the new building for the Airplane Testing Laboratory has been practically completed, according to a report from Major A. S. Smith, Superintendent of Buildings and Power. The building is not yet equipped, but work is to start immediately and the Lab is expected to be ready for use within a short time. At present, workmen are busy installing gas, water, steam, electricity and gasoline lines, and this work is progressing rapidly.

LOWELL INSTITUTE PRESENTS LECTURE

Continuing his series of lectures on the "Influence of English on American Literature," Chester N. Greenough, Professor of English at Harvard University, will present "The American Colonies from Cotton Mather to Benjamin Franklin," in Huntington Hall tomorrow afternoon at 5 o'clock. These lectures are open to the public.

DEFEAT BREAKS UP CONTINUOUS LINE OF SIX VICTORIES

Dave Motter Is High Scorer For
M.I.T. and Allen Is
Close Second

5 VICTORIES FOR YALE

Yale succeeded in interrupting Technology's continuous victories in basketball by defeating them at New Haven last night by a score of 36 to 26. The engineers quintet had downed six teams, but was unable to win their game with Eli. The contest was a hot battle all the way through and Yale's victory came about against the steady and hard opposition of Technology.

David Motter '31, who played right guard in place of MacDowell, was the highest scorer and played an excellent game. MacDowell took sick a few days before the game and is in the infirmary with the grippe. Coach McCarthy made no substitutions whereas Yale replaced their right forward and right guard.

Brockleman, the center on the engineer team was opposing his cousin of the same name who played a beautiful game at right guard for Yale. Brig Allen's finger did not seem to bother him, but he was not able to make as many baskets as usual. The heavy practice in preparation for this game showed that the Technology team was in good condition, but the vast improvement of the Eli five seems to have caused the defeat.

Yale had lost three games, Fordham, Georgetown and Dartmouth, and they now have defeated Princeton, Holy Cross, St. Lawrence, Brown and M. I. T. Technology's record before the midterm vacation was one which will not be equalled very easily and they hope in the three remaining

(Continued on page 4.)

PROF. BROWN HELPS IN FLYING RESEARCH

Aeronautical Instructor Assists
Guggenheim Fund Work

Experiments in all-weather flying in an attempt to combat the fog menace are being carried on by Professor William G. Brown '16, of the Aeronautical Department who is now in New York as technical assistant to Lt. James H. Doolittle who is conducting the Daniel Guggenheim Fund researches in that field.

The fund has equipped a full-flight laboratory consisting of two planes, a Vought Corsair and a Consolidated training type plane. The War, Navy, and Commerce departments as well as several private companies are co-operating with the fund in its efforts.

The planes are equipped with the latest devices and will be tested at Mitchel Field. They will be flown by two pilots one of whom will operate the controls in a covered cockpit flying by instruments only. The first part of Professor Brown's work will probably be occupied in coordinating the efforts made by various organizations and in discarding any impractical ideas.

Attention, Seniors

Today will be the last day for the display of the class rings in the Main Lobby from 9 until 5 o'clock. A deposit of \$5 is required and the total cost of the rings will be \$10 or \$11, according to the style selected. Delivery will probably be made at the end of March.

A Record of Continuous News Service for 48 years.



Official News Organ of the Undergraduates of M. I. T.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

MANAGING BOARD		OFFICES OF THE TECH	
D. T. Houston '30.....General Manager	W. F. Howard '30.....Editor	Walker Memorial, Cambridge, Mass. News and Editorial—Room 3, Walker, Telephone Univ. 7029 Business—Room 302, Walker, Telephone Univ. 7415	
C. Connable '30.....Managing Editor	G. Smith '30.....Business Manager	Printer's Telephone—HANCOCK 5000-1-2 SUBSCRIPTION PRICE, \$2.50 PER YR. Published every Monday, Wednesday and Friday during the College year except during college vacations Entered as Second Class Matter at the Boston Post Office Member Eastern Intercollegiate Newspaper Association	
ASSOCIATE BOARD		BUSINESS DEPARTMENT	
R. Davis '31.....News Editor	W. N. Currier '31.....Sports Editor	Treasury Department	
G. M. Roddy '31.....Advertising Manager	H. J. Truax '31.....Treasurer	Assistant Treasurers	
J. K. Minami '31.....Circulation Manager		E. L. Krall '30 D. M. Goodman '31 J. B. Tucker '31	
EDITORIAL DEPARTMENT		Staff	
Editorial Board		W. Holst '32 H. Swachman '32	
L. Verveer, Jr. '30 W. B. Schneider '31		Assistant Circulation Managers	
NEWS AND SPORTS DEPARTMENTS		J. J. Alkazin '31	
Assistant to Managing Editor		Staff	
E. S. Worden, Jr. '31		L. C. Littlefield '32 E. D. McLeod '32	
Night Editors		W. M. Moore '32 W. B. Pierce '32	
J. W. Bahr '31 M. F. Burr '31	J. R. Swanton '31 S. C. Westerfeld '31	Advertising Department	
F. C. Fahnestock '30 E. W. Harmon '30		Assistant Advertising Managers	
News Writers		R. H. Haberstroh '31	
A. H. Feibel '32 S. R. Fleming '32	M. S. Hathaway '32 E. P. Newman '32	Staff	
E. F. McLaughlin '32		L. C. Bond, '32 W. H. Barker, '32	
Staff Photographer		C. E. McCormack, '32 A. Jewell, '32	
T. Lewenberg '31		W. B. Simonds, '32 E. F. Moran, '32	
Sports Writers		M. D. Triouleyre '32 A. S. Ellis '32	
P. A. Roberts '32		L. Fox, G.	
Reporters			
H. Kamy '31 S. G. Nordlinger '32	P. A. Davis '32 R. Thomas '32		
D. L. Dionne '32 E. W. Schafer '32	E. L. Clark '32 J. F. Crowther '32		
E. B. Hubbard '31 R. A. Fuller '32	J. B. Smith '32		

In charge of this issue:

Ralph Davis '31
E. P. Newman '32

JOHN HARVARD RUNS AMOK

Harvard College is America's most blatant hypocrite. It wants to make the outside world think it has a monopoly on methods for producing originality. What it really allows you to do is to pick up a comprehensive course in memory training and charges you \$400 a year for it in the bargain.

THIS quotation is not, as might be expected, an excerpt from a tirade by an irate student of Technology. In fact, it had its origin in the editorial rooms of "The Harvard Crimson", the daily at Harvard. Nor was this the only scathing criticism bitterly voiced in the long editorial published recently by that paper.

In this matter at least, the "Crimson" agrees heartily with "The Lampoon", Harvard's humorous magazine, expressing approval of the comic's recent "Protest of the Masses" number. The publications combined in their condemnation of almost everything at Harvard; in fact, what they do not denounce seems hardly worth mentioning.

Of particular interest to Institute students is their attack on the "House Plan" under which a gift from Edward S. Harkness would provide quarters for all the men in the three upper classes, in which they would be required to live. Fraternity men who have watched with alarm the Corporation's enlarged building program for dormitories, those to whom living with hundreds of other students is vastly more distasteful than choosing their own abodes, and those who feel that even freshmen are able to live where they want to, will greatly appreciate the Harvard undergraduate opposition to the proposed scheme in Cambridge. The "Crimson" editor "considers the present social standing of Harvard College, allowing as it does every student unlimited freedom to choose and change his associates, greatly preferable to any forced 'melting-pot' scheme such as that envisaged by the house plan."

Were such a question to be raised at the Institute, we believe that a unified opposition would be forthcoming. As is pointed out, the authorities are too prone to submerge us with the professors' point of view in our classes. Coercion of the student in regard to his living quarters is too much. If a man is unable to live rightly when he leaves home, except he is forced to toe the mark in a supervised dormitory, he should not come to school. If at a man's school he is not sufficiently mature to live as he desires, he had better not come. We sympathize with the "John Harvards" in their opposition to this housing plan—why make a man live where he does not want to?

In this college there is just one right idea in every course. And that is the PROFESSOR'S idea. The professor's idea has been cribbed out of other books. Now all you have to do is to read the book in which the professor's idea is found, slap that down and you're a success.

This expression was so typical of what is heard all the time at Technology that it seemed most fitting to copy it. When the writer goes on to say that the outstanding characteristic of the educational system as practised at Harvard is that it tends to minimize the importance of thought and selection on the part of the writer, his criticism might easily have been made about the Institute. How many times has this sentiment been voiced in the "Student Inquiry", in committee meetings, or in student "bull-sessions"? We have the edge on our contemporaries in that we have at least received some recognition of our efforts from the authorities. In contrast to this, the "powers that be" at Harvard have chosen to ignore both attacks.

We would point out to the agitators at Harvard that our experience with the Student Inquiry and the subsequent Curricula Committee has proved the effort to be most worth while. Their difficulty, as we understand it, is that in a large portion of the subjects offered, too much of the professor's grade depends on a lengthy final examination, for which it is absolutely essential that long hours be spent in "cramming" of difficult facts. While the general character of the subjects given may differ, the "Crimson's" demand for more frequent, shorter examination is exactly the same as the desire at the Institute.

In this respect, we feel a communal interest with the problems of the undergraduate at Harvard. In a way we are glad to see that someone else is having a harder time than we are. The actions of the students are more drastic than are our methods; on the other hand, their faculty does not seem to be giving them any support. We will be watching their efforts with much interest.

THE EDITORIAL SPECULUM

Have you ever attended a special lecture on a topic of general interest when the lecturer is not interrupted at least a dozen times by the opening and closing of doors when members of the audience choose to leave before the conclusion? If you have, then you are more fortunate than the Spectator.

If a man does not intend to remain through the discussion why does he attend? For certainly if he is continuously thinking of his next appointment, he gets little if anything from the lecture. Yet, in the stir of his departure, he can and does greatly detract from the enjoyment of those who are really interested.

These departees doubtless do not realize the impression that is being made upon the lecturer who may not be aware of the prevailing system of "Easy come, easy go" lecture attendance. It should be true that any discussion of sufficient appeal to warrant going to—is worth staying through.

Once more the classes are in full swing and the last stragglers are fast settling down in the classes that they have finally decided to attend. The spirit of study grips the penitent student, and he fervently swears off attendance of movie shows and dances until he gets all caught up in his work.

The Spectator wonders, at times what would happen if this spirit should last throughout the term. Would it be a hopeless brown-bagging day-school, or would we find more men going out for sports and activities? It is sure that many men would have more time than they could use in preparing for their classes all term, and at an institution that has fewer hours and no diversions, we find an unusual spirit and enthusiasm. Such colleges as New Hampshire State and Dartmouth, having no large towns nearby, are examples of this. This might well be an argument for strict supervision of the student's outside life.

There are strange sights going on these days behind drawn curtains in some of the Fraternity houses. But on the whole, initiations are getting lighter and lighter every year. It is not unusual to hear of some Fraternity that has entirely dropped all "rough stuff" or has cut down the length of the period. The day of the old-fashioned "whacking good time" seems to have passed, and few care to revive it. On the other hand, without physical torture, much can be accomplished in the way of initiation to make life rather uncomfortable for the innocent freshman.

\$70,000 is Spent Yearly to Keep Institute Clean

Special Soap Factory Furnishes Soap to Make Janitors' Jobs Easier

Major Albert S. Smith, Superintendent of Buildings and Power, was interrupted in his interesting office with its array of "tell-tale gauges and other instruments." Technology "housekeeping" as outlined by Major Smith is a very formidable task. During the last year a total in round figures of \$70,000.00 was expended in cleaning just the academic buildings. A crew of forty-five janitors devote their time to washing blackboards and scrubbing halls and walls during the day. At night, twenty more men sweep and scrub class and drawing rooms. Also there are several men who do nothing but wash windows. The "wear and tear" on mops and buckets, wringers and white coats represents an expenditure of \$4,000.00.

Soap Factory too

And the soap, that soap which looks so slick and foamy when spread on the halls is a story in itself. Major Smith said for many years Technology bought various brands of prepared liquid soap. Most of these soaps, however, are made in the middle west and by the time they are shipped east the cost is around \$1.50 a gallon. A very large percentage of liquid soap is water, "And," continued Major Smith, "it seemed needless to pay to ship river water from the mid-west back to the Atlantic ocean." The result was, that soap-making machinery costing about five hundred dollars was installed, formulas tested and soon the soap factory was under way. In a short time the machinery paid for itself. It was found that a satisfactory soap could be produced for twenty-five cents a gallon, or one sixth of the price formerly paid. This is a substantial saving when it is realized that 4,000 gallons of this soap are used each year. Hand soap is also made for use in the wash rooms. This soap contains pure olive and coconut oils and costs about thirty-eight cents a gallon.

As We See the Movies

THE FENWAY

George Bancroft has produced another melodrama—a sensational entanglement of stock market tape, strings that are pulled by gamblers, and the mesh of a sucker's net.

"The Wolf of Wall Street," a Paramount All-Talking Picture, is the story of a man who loved two things above all else, the one, his business in the financial market, the other, his adorable wife. His monetary affairs were entirely successful. He was the chief of a gambler's pool, a group of conspirators who could send their favorite stock soaring to make a fortune and then sell short as they stepped out from under to double their fortune. The "Wolf," the muscular, hard-faced hero, snared the suckers well; but, all-the-while, hovering above his own head, there hung another net, a net of a different sort, but one which also caught suckers. His wife (starred by Baclanova) preferred the arms of another man.

The theatre door was jammed, both evening performances were attended well. The prevailing interests in the recent fluctuations of the stock market may have helped in advertising it, or even the incomparable enthusiasm of our own students in Course XV may be a contributing factor in the show's success. But more sound reasoning leads us to believe that George Bancroft plays a type which is popular. It really is a type. The familiar haggard countenance, suddenly changing into an expression of heroic forbearance, and finally to optimistic mildness, is a series of action again brought out in a Bancroft picture. His acting brings to the front the appealing spirit of patience in a man whom one can easily imagine has been a real sufferer. His producers capitalize acting by letting him play the part.

Baclanova, the fair-haired Russian, may be adorable to the "Wolf," but—At least she played her part well this time. She had, in fact, a difficult part for a talking picture. However, the outstanding star is not Baclanova, the producers centered their attention on Bancroft.

The picture is one which goes very well as a follow-up after a strenuous afternoon in "Corporation Investment and Finance." We believe that the general opinion will be, "Don't miss it. What? No, it wouldn't be particularly interesting to your girl."

Play Directory

- Stage**
- COLONIAL: "Billie" with Polly Walker. Typical Cohan show, which means entertainment.
 - COPELY: "The Whispering Gallery." It looks like the rest of the season with this thriller.
 - MAJESTIC: "The War Song." Farewell of George Jessel before leaving for Hollywood.
 - PLYMOUTH: "The Command to Love." Pleasantly risqué comedy of political intrigue.
 - REPERTORY: "Red and Black." Just another mystery drama.
 - SHUBERT: "Greenwich Village Follies." Oh, what's the use—in Boston.
 - ST. JAMES: "The Outsider." Usual Walter Gilbert production.
 - TREMONT: "The Vagabond King." If you've never seen it, do.
 - WILBUR: "The Trial of Mary Dugan." The best show in town.

- Screen**
- FENWAY and OLYMPIA: "The Wolf of Wall Street." Excellent drama with perfect acting by Baclanova.
 - LOEW'S STATE: "The Trail of '98." Dolores Del Rio in one of the best.
 - METROPOLITAN: "Conquest." Reviewed in this issue.
 - MODERN and BEACON: "Lucky Boy." George Jessel on the screen this time.
 - KEITH MEMORIAL: "Waterfront." Jack Mulhall and Dorothy Mackall together again.

STUDENTS MAY TAKE COURSES IN ENGLAND

Study of International Finance Planned for Next Summer

Complying with the demand for a wider scope of international education, the Gresham School of Economics of London, England, is offering its summer school facilities to American and Canadian college students who plan to visit England next summer.

The proposed courses of two and five weeks in length deal with the European financial system from the angles of banking, foreign exchange, marketing, and corporate organization. Lectures with supplementary work of a practical nature are conveniently arranged to allow the students intervals of leisure ranging from half to a whole day.

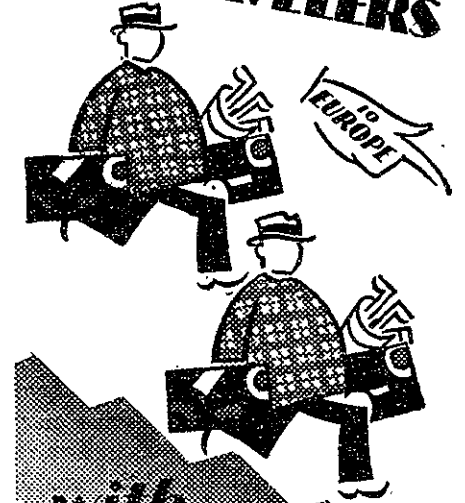
The student awarded highest honors is granted a scholarship for the following summer, including all traveling expenses and one to three months'

residence in any country of Europe the holder may choose.

Men who are interested may apply to The United Tourist Agencies, 18th and Chestnut Street, Philadelphia, Pa., any time before the first of June.

The prize joke of the year recently took place at the University of Toronto with the award by the Student Council of a prize for the design of a crest to be worn on sweaters. It was discovered that the winning emblem was copied from a crest on the cover of a notebook which every student carries.

Experienced TRAVELERS



with limited budgets, choose

Tourist THIRD CABIN

They are proud of their nomadic life and of their knowledge of how it should be accomplished. After all, if one goes about a bit, a home atmosphere that is informal and comfortable has its advantages.

Evening decollete and dinner coats are not a requisite when one travels to Europe Tourist Third Cabin. That pretty well describes why the seasoned traveler to Europe often prefers this class. Then, it has the feature of being very inexpensive, which is a big item in modern travel. Round-trips cost from \$184.50 up.

In our fleets we offer you a choice of such famous liners as the *Majestic*, world's largest ship, *Olympic*, *Homer*, *Belgenland*, *Lapland*, etc.—and two remarkable steamers, *Minnekahda* and *Minnesota* that carry Tourist Third Cabin passengers exclusively.

\$10250 (up) ONE WAY

Accommodations are reserved exclusively for American vacationists—the sort of people you will enjoy traveling with.

WHITE STAR LINE

RED STAR LINE ATLANTIC TRANSPORT LINE INTERNATIONAL MERCHANT MARINE COMPANY
Tourist Third Cabin Dept.
84 State St., Boston or any authorized steamship agent.

SIMPLEX

WIRES AND CABLES

INSULATED WITH RUBBER

PAPER OR VARNISHED

CAMBRIC

SIMPLEX WIRE & CABLE CO

MANUFACTURERS

301 DEVONSHIRE STREET

BOSTON

CHICAGO SAN FRANCISCO

NEW YORK CLEVELAND

JACKSONVILLE

SWIMMING TEAM IS UNDEFEATED

Gym Team Has Two Contests Scheduled This Week

BEAVER GYMNASTS MEET PRINCETON AND WEST POINT

Wells Heads List of Prospects With Many Specialties on the Apparatus

REYNOLDS BACK ON TEAM

Captain Fairchild and Dolloff Are Brilliant Performers on Apparatus

With their first league meet coming on Friday, Technology's gymnasts are putting the finishing touches on their series. The contest with Princeton on Friday promises to be one of the crucial meets of the season as the Tigers won the Eastern Intercollegiate League title last year and they have a strong team this year.

On Saturday the Cardinal and Gray will meet West Point down on the Hudson. Captain Fairchild is confident that the team will succeed in defeating the Army Mule and come back with a victory. He, however, expects the meet to be close and well worth watching.

Dave Wells is the Cardinal and Gray's leading prospect this year, and he has been busy perfecting his stunts on the numerous pieces of apparatus that he performs on. Dave is probably best on the high bar as he was second in the Eastern Intercollegiate championship on that piece of apparatus. He is equally efficient on the parallels and the flying rings, and does fairly good work on the horse and the mats.

Reynolds Looks Good

Wes Reynolds, who was kept out of practice because of an injured shoulder has been working hard to make up for lost time and has brought his work up to his old standard. However, he has not been able to work very hard on his flying series on the rings as his shoulder bothers him when he tries to do some of the more difficult stunts. He and Dave Wells will bear the brunt of the work on the rings.

Harold Fairchild, as usual has a set of interesting stunts on the horse and he bids fair to win the Intercollegiate side horse championship this year. Al Moore, to be sure, is keeping right on his heels and Knapp, a budding Sophomore is also doing good work.

Dolloff's Tumbling Improves

Norman Dolloff has been spending a good deal of time working on the fine points of his series and has im-

YEARLING BOXERS HAVE FIRST MEET OF SEASON FEB. 16

Team Expects Victory Against Eli Yearling Squad to Start Season

WILL FORFEIT UNLIMITED

At practice last Monday afternoon, the final eliminations for positions on the freshman boxing team was held, and the members are now practicing hard for their meet with Yale on Saturday night at New Haven. The present lineup of the team as they will face the Eli frosh is as follows: Gurowich, 115 pounds; Robert, 125; Daniels, 135; Davis, 145; MacDonald, 160; Schultz, 175; and Barker in the unlimited.

This freshman squad is one of the best ever to go into the ring for Technology, and they are expected to take their meet against Yale Saturday night. Gurowich in the 115 has made wonderful improvement, and will undoubtedly dazzle his opponent with his fast foot work. Robert has been working hard, and is expected to make a good showing. Daniels, one of the hardest hitting freshmen on the team should outpunch the 135 pound Eli frosh. Davis, MacDonald, and Schultz, the mainstays of the team, are also expected to pound their way to victory. Barker, who will box the unlimited is ineligible, but will box in preparation for the Varsity. The yearling mittmen will box three two minute rounds under the Intercollegiate Boxing Commission Rules.

proved them greatly since the beginning of the season. He is confident of giving the Princeton Tiger and the Army Mule a good run for their money over the week end. Dolly is the only real tumbler that the Engineers have this year and this position is the team's weakest point.

On the parallels, the Beavers will have Dave Wells, Wes Reynolds and Frank Fahnestock. These men ought not to have very much difficulty in getting a large number of points in both the Princeton and Army meets.

For the rope climb Harold Fairchild, Wes Reynolds, and King Couper will bear the brunt of the work. Harold has been cutting his time down regularly and is practically down to his last year's record.

Among the men taking the trip are Harold Fairchild, Dave Wells, Wes Reynolds, Frank Fahnestock, Almer Moore, King Couper, and Stuart Knapp.

There are several interesting facts to notice concerning the Millrose meet last Saturday night. Roll, the anchor man on the winning Colgate team, completed his lap in the fast time of 51.1". This was one of the fastest quarters of any of the legs of the six different one-mile relay races run during the course of the evening. Ladd, the M.I.T. anchor man, ran his lap in 52.1". The Engineer team led throughout the first three laps and in the last lap all the way until within one yard of the finish line.

RESULTS OF M.I.T.A.A. EVENTS FOR JANUARY

BASKETBALL

Varsity 32—Brown U. 29.
Varsity 29—Harvard 23.
Freshmen 22—Brown Freshmen 28.
Freshmen 28—Harvard Freshmen 30.

WRESTLING

Varsity 6—Tufts 26.
Varsity 9—Yale 18.
Freshmen 21—Harvard Freshmen 15.
Freshmen 28—Tufts Freshmen 6.
Freshmen 6—Yale Freshmen 21.

HOCKEY

Varsity 5—New Hampshire 1.
Freshmen 3—Andover 0.

SWIMMING

Varsity 43—Amherst 36.
Freshmen—30—Malden High 32.
Freshmen 31—Brown Freshmen 31.

TRACK

Varsity relay team won from U. of Maine at K. of C games.

The two managers, Kimble and Fiske, are out daily, training on the board track, in hopes of making the team this spring.

All freshmen who expect to compete in the Huntington meet on the 27th of this month are requested to report immediately.

VARSITY MERMEN WILL SWIM TWICE

Unbeaten Team Meets Columbia and West Point During Week-end Trip

Technology's undefeated swimming team will meet Columbia in their third meet of the season on Friday night in the Columbia pool. On Saturday the team will go to West Point and swim against the Army team.

Having scored two victories against the strong teams of Amherst and Rensselaer so far this season, the Cardinal and Gray natators bid fair to go through the season undefeated. This team is undoubtedly one of the strongest ever to swim for M.I.T.; two new records for Technology have already been established by Jarosh and Captain Luey. Jarosh broke his old record in the 440 yard swim with the time of 5:59:8. The other record was broken by Captain Luey who established a record three seconds better than the one he made last year in the New England Intercollegiate Championship Meet. His new time was 1:51:4.

Torchio Swims Well

Torchio, anchor man on the relay team, and one of the fastest men on the squad, has been doing especially well in the 50 yard dash. He is ex-

pected to make a good showing against the Columbia web-feet on Friday. Lykes has been working hard on the dive, and is perfecting his form for the coming meet. In the backstroke, Jarosh, who is the 440 star, has also been a good performer, and he is expected to pin another victory up for the Cardinal and Gray in this event. With this well balanced team, the Engineer natators should score an easy victory over Columbia and the Army.

Roll placed in the finals of the intercollegiate quarter mile.

Benjamin was unable to complete in the meet because of the fact that there were too many entries. His entry was received too late by the management to be taken into consideration.



The Store for Men **Jordan Marsh Company** A Separate Store in a Separate Building

—hand in hand with the longer Spring days come the new

SPRING HATS

Each day sees a new hat arrival in The Store for Men—authoritative styles to meet the needs of fastidious men

Stetsons *Mallorcy*
Borsalinos
Knapp-Felts *Our Own Make*

You certainly will not go far wrong if you choose one of the new shades of brown or pearl gray

STREET FLOOR—THE STORE FOR MEN

Read the **SPORTS Pages** in the **BOSTON EVENING TRANSCRIPT**

LINDE FOWLER Golf and Hockey	GEORGE CARENS College and Track Sports
AUSTEN LAKE Baseball	TOPLIFFE SAWYER Horses and Dogs
LEROY ATKINSON School Sports	E. SCHRIFTGIESSER Yachting
EDWARD BULGER Basketball	

ALSO

College Students Will Find Much of Interest and Assistance in the **TRANSCRIPT'S SCHOOL & COLLEGE PAGES**

Today Today Today

THE TECH is giving all Sophomores and Freshmen this opportunity to

1. Learn journalism.
2. Have some fun.
3. Be an activity man.
4. Get contacts with men of all classes.

It is to your advantage to be in an activity and we give you this chance to enter into the oldest activity here.

In the Faculty Dining Room this afternoon at 5 P.M.!!!

Notices and Announcements

FROM THE FACULTY

Lecture on

The Action of Inertia in the Acceleration of Electrical Machines and in their Parallel Operation

By

PROFESSOR REINHOLD RUDENBERG

Chief Electrical Engineer of the Siemens-Schuckert Works in Berlin

Wednesday, February 13, 3 P.M.—Room 10-275

Meeting of the Sedgwick Biological Society

MR. LEONARD MARTIN Speaker

Wednesday, February 13, 7 P.M.—Emma Rogers Room

CALENDAR

Wednesday, February 13

- 5:00—THE TECH Smoker, North Hall, Walker Memorial.
- 6:30—Scabbard and Blade Dinner, Grill Room, Walker Memorial.
- 7:00—Math Seminar, Faculty Dining Room, Walker Memorial

Thursday, February 14

- 5:00—Tech Show Orchestra Rehearsal, East Lounge, Walker Memorial.
- 6:00—Walker Club Meeting, Grill Room, Walker Memorial.
- 8:00—Menorah Society Meeting, Emma Rogers Room.

Friday, February 15

- 6:00—M.I.T. Italian Club Smoker, North Hall, Walker Memorial.

UNDERGRADUATES

TECH SHOW PICTURES

Members of the cast and chorus, or any others who would like pictures of scenes from this year's Show may obtain them by placing an order with the Tech Show office any afternoon this week. The pictures may be seen in the office any afternoon.

TECHNIQUE PICTURES

Managers of teams, and Presidents of fraternities, clubs, and societies are asked to call at the Technique Office to secure proofs of group pictures for the purpose of taking orders for these pictures.

SCHOLARSHIPS

The attention of students who an-

ticipate continuing graduate work next year in Europe is called to the notice posted in the Information Office regarding the date on which applications for scholarships for study in various foreign universities and technical schools should be filed with the Institute of International Education, 2 West 45 Street, New York City. Further information regarding these scholarships may be obtained by consulting the Dean of Graduate Students, Room 4-112.

TECH SHOW ORCHESTRA

There will be a Tech Show Orchestra rehearsal on Thursday afternoon, February 14, at 5 o'clock in the East Lounge of Walker Memorial.

TECHNOLOGY HOPES HALTED BY ELI FIVE

(Continued from Page 1)

games to show that one defeat is enough for one season.

The lineup of the game is as follows:

M. I. T.	G.	F.	P.
Allen, l.f.	3	2	8
Nelson, r.f.	1	1	3
Brockleman, c.	2	0	4
Lawson, l.g.	1	0	2
Motter, r.g.	4	1	9
Total	11	4	26
Yale	G.	F.	P.
Nessau, r.f.	5	0	10
Fodder, r.f.	2	0	4
Liorowitz, l.f.	2	1	5
Linehan, c.	2	1	5
Cook, l.g.	2	0	4
Brockleman, r.g.	2	2	6
Patterson, r.g.	1	0	2
Total	16	4	36

Graduates of Engineering colleges generally receive a higher salary than the professors who taught them, President Charles S. Howe, of Case School of Applied Science says in an article "College Teaching as a Profession," which appears in the December issue of the Case Alumni.

The medium salary of teachers in engineering colleges is \$4,200, while the medium salary of engineering graduates is \$7,500, the article states. Some teachers have an income from extra professional work bringing the medium income of the professors up to \$5,700.

"The professor can never expect to be wealthy, he barely makes enough to live decently and to educate his children. He rarely has enough left for his old age unless he has been fortunate as to inherit some property," Dr. Howe writes.

Conditions, however, are improving, the article continues. During the last 20 years salaries for Case faculty members holding the rank of professor have increased from a maximum of \$2,500 to a maximum of \$6,000.

If a lighted candle could be placed forty-one thousand miles from the earth or about one-sixth the distance to the moon its flame would still be visible through the two-hundred inch telescope planned for the California Institute of Technology.

Stars from five to ten times fainter than can now be registered on the one-hundred inch telescope on Mt. Wilson will be shown with the aid of this giant sky-glass.

STUDENT DIRECTOR VISITS INSTITUTE

Boy's Work Leader to Confer With Undergraduates at T. C. A. Office

Mr. W. Duncan Russell, director of Boy's Activities of the Boston Community Service, may be interviewed at the T. C. A. office today or tomorrow from 11 to 5:30 o'clock by anyone interested in doing boy's work. As Mr. Russell has done the work himself he knows what it is and can give any student a good idea of what is required.

Letters were sent out to 150 freshmen who indicated their willingness to do this sort of work on their T. C. A. activity cards. So far 16 men have made appointments to see Mr. Russell and it is expected that more students, who did not hear of this opportunity before today when announcements were made on posters placed throughout the school, will sign up for interviews. Mr. Russell believes there are three distinct advantages for the students doing this work: the man doing it learns how to control boys, this knowledge will help him later in life when he is in charge of men; the benefit to the boys is of course the biggest advantage of the work; the other feature of doing this sort of social activity is the good name that is made for the Institute.

Mr. Russell graduated from Wesleyan in 1922 and from Harvard Law School in 1925. From 1923 to 1928 he was a worker at the Peabody House in Boston. At the present time he is the Director of Boy's Activities of the Boston Community Service. This Service, which is a clearing house for all Social Work, was established two years ago at the request of Social Agencies around Boston. John B. Hutchins '31, who is in charge of the

INTERCOLLEGIATE

A group of thirty-two South African University students sailed recently from Boston for Queenstown and Liverpool. While in this country the students made a tour of the United States under the auspices of the National Student Federation of America. They were of Dutch, English or French descent, and represented Rhodes College at Grahamstown, Grey College at Bloemfontein, Natal University at Durban, Transvaal College at Pretoria, University of Stellenbosch, University of Cape Town, and the University of Johannesburg.

It has been proposed that a required course in chapel be put into force at Tuft's College. The plan represents the most radical departure yet attempted in the quest for a system of compulsory chapel. Under the new plan chapel virtually becomes a course students must "pass" each semester in order to graduate and credit will be given not on the basis of ability but on attendance. If a student "cuts" more than nine times he will be informed that he has "flunked" chapel.

boy's work of the T. C. A. invited Mr. Russell to come to Technology and see if he could find positions for the students who desire to do voluntary work.

SPIKES

Harold Dick, who was injured last year on the Riverway by an automobile, is now running on the board and hopes to be a member of the team this spring. It will be remembered that Dick ran cross country a year ago. Which all goes to prove you can't keep a good man down ever by running over him.

Coach Hedlund announces that a box is being made up to send to Jim Alexander, who is in the City Hospital. Men with lockers in the track house and all others interested are asked to turn in their contributions at the Track Office so that a good basket of flowers and fruit may be sent.

JOHN SPANG

QUALITY RADIO EQUIPMENT
STANDARD SETS AND PARTS
INSTALLATION SERVICE
Phone Kenmore 0745
125 MASSACHUSETTS AVENUE
(Next to Cor. Boylston St.) Boston
"First Tested—Then Sold"
—Discount to Tech Students—



NEW TUXEDOS FOR HIRE \$1.50 AND UP

Tuxedos Full Dress Cutaways
Shirts Shoes Etc.
READ & WHITE
111 Summer St. and Woolworth Building
93 Mass. Avenue, Boston Providence, R. I.
Telephone Connection

Air Show in New York Emphasizes Flying Stability

Big Monoplanes "Uncle Sam" Built By C. A. Levine Is Main Attraction

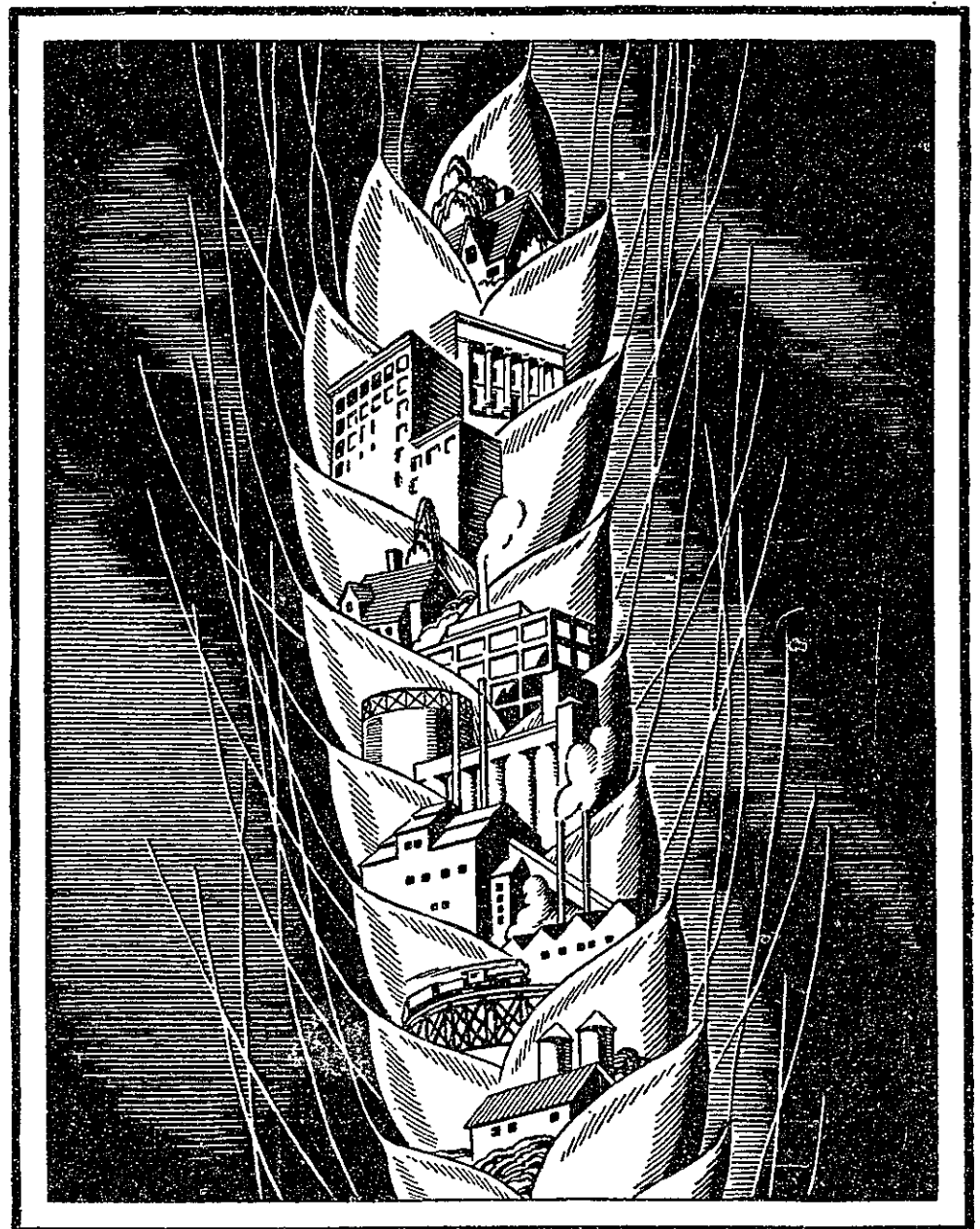
Sponsored by the Aviation Post 743 of the American Legion, the Air Show, at the Grand Central Palace in New York was well patronized by the general public, though its practical value to the aviation industry is questioned by the New York Times. It is very attractively laid out and interesting enough to give the thousands of visitors a comprehensive view of the numerous activities that mark the progress of aviation. The outstanding feature of the show is that it demonstrates the rapid growth, so much heralded, of the aviation industry.

The centre of attention at the show is the big monoplane "Uncle Sam," built by the Columbia Airliners of Long Island City, a company headed by Charles A. Levine, erstwhile transatlantic flyer.

Though it has not yet been flown and consequently nothing definite is known about its actual performance, it is reputed to be able to carry fuel to give it a flight range of 6000 miles. Powered by a 500 H. P. Packard motor a speed of over 150 M. P. H. is claimed for it, and combined with an inverted motor it has its radiator located between the struts of the landing gear. Its price however is the limiting feature—\$250,000.00. Beauty is emphasized in this model, and its dashboard with its accompanying instruments is said to resemble the Milky Way.

Outstanding also were the exhibits of the English Planes—Moths and Avians, the Vought Corsair, and two Lockheed Vegas, one of which Captain Frank Hawks flew from Los Angeles in record time. Among the less intimately aeronautical exhibits was that of the Roosevelt Flying School, which was rather unique.

The emphasis of the show is on safety and stability, and these ideals are what every designer is now striving towards. However, as the Guggenheim Fund for the promotion of Aeronautics has not offered its 100,000 dollar award for the "safe aeroplane", it would appear that the goal has hardly been reached. Most clearly the show demonstrates the rapidity of the growth of aviation.



Great states from wheat seeds

IT was unprofitable wilderness, most men thought. But James J. Hill had faith that it could grow wheat and so he built his railroad. Settlers turned the waste-land into wheat-land, the wheat into wealth, the wealth into great western states.

Faith in the economic future still points the way. Right now men in the Bell

System are planting the seeds of vast possibilities for even better communication.

Out of the belief that the public needs a broader use of the telephone is growing a constantly improved long distance telephone service. Like the railroads of an earlier day, this service is now tapping and helping to develop rich new territories of commerce.

BELL SYSTEM

A nation-wide system of inter-connecting telephones



"OUR PIONEERING WORK HAS JUST BEGUN"