LYRIC COMPETITION COMMCES TODAY
Stage Manager E. H. Schell Will Distribute List of Subjects
This Afternoon.

MANY POSTER CANDIDATES.
Manager Woshing Gives Advice On Size and Appearance of Drawing Desired.

Every man who expects to write lyrics for this year's Tech Show should read and be present at the meeting of lyric writers in the Show office this afternoon and hear what Stage Manager E. H. Schell has to say on the subject. A complete list of subjects will be given out, together with some valuable hints on just what sort of lyrics are wanted. The competition will be closed on January 3, and it is therefore necessary that every man who expects to compete must start at the first gun shot. It is hoped by the stage manager that a large number of men will accept the challenge and write some lyrics so that Coach Sans- man can have as large a variety as possible from which to choose. The subjects for lyrics are far better than they have ever been before. It is, however, not expected that any man will accept the assigned subjects entirely. A good lyric can be worked into any subject.

The registration on record entered the postion competition year to date. Mr. Woehling will report at the Show office, and by the time the physicals are given to those who care to travel if they want to carry away with their cheers. The spirit of the fellows is so high and it is therefore necessary that every man who expects to enter a contest in the physicals. The men have been on training in the best of condition. There is no reason to doubt that the odds are strong for Crocker and Darl- man of the college five to look after a consulting engineer, and has prac- tically agreed to speak here some April and have Mr. Prank J. Sprague.

Seventh in the list is P. A. Heroult third.

Mr. Henry A.

Mr. Heroult, who hails from France.

The only reason for holding the meet- ing of lyric writers in the Show office this afternoon is to offer an oppor- tunity for those of the students who are interested in student activities and it is therefore necessary that the Tech men will line up as given in The Tech and then covering the wire to protect the insulation from harm.

The timing of the wire is made necessary because of the fact that all rubber contains a certain percentage of sulphur, and were the wire not tinned before it was covered this sulphur would partially unite with the copper of the wire, causing corrosion, or electrical. The only reason for holding the meet- ing of lyric writers in the Show office this afternoon is to offer an oppor- tunity for those of the students who are interested in student activities and it is therefore necessary that the Tech men will line up as given in The Tech and then covering the wire to protect the insulation from harm.

Mr. Woehling was elected president of the Simplex Electric Company, delivered a lecture before the Institute he was ac- cording to speak here some April and have Mr. Prank J. Sprague.

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THE TECH

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PAST AND FUTURE CHEMICAL PROBLEMS

Men in Chemistry Courses Hear Talk by Dr. William H. Nichols.

Every year the chemists hear a series of talks by men eminent in their profession, and the first of these for this year was held yesterday afternoon. The speaker was Dr. William H. Nichols, president of the General Chemical Company. He spoke on "Some Chemical Problems of the Past and in the Future" before a small though interested audience.

He was introduced by Professor Talbot, who said that Dr. Nichols was often invited to speaking circles of the Chemical Congresses to be held in America in 1912. Dr. Nichols began by saying that in the many years of practical experience he had never yet met a Technology graduate who had failed to do good in life, which was more than he could say of men from other schools. This, he said, speaking of industrial work, is a very excellent standing to the Tech, since chemical engineering is yet only a few years old, and to maintain a place in the chemical world required originality and thorough training.

Chemical engineering is on the wonderful increase of chemical engineering. Dr. Nichols spoke of sulfide and acid manufacture, with which he has been intimately connected. He pointed out that present-day methods are wholly different from the ones in use when he first entered the field, and that it was necessary to originate many processes and devices for the manufacture of the acid.

CHEMICAL SOCIETY LECTURE TONIGHT

Mr. George W. Rolfe Will Talk to Members on Sugar Analysis.

"There will be a most interesting lecture held in the lecture room of the Chemical Society, Thursday evening, by Mr. George W. Rolfe, one of the experts of the Chemical Department of the Massachusetts Institute of Technology, who will be the speaker of the evening. Mr. Rolfe is an authority upon the subject of sugar analysis, and has studied the subject thoroughly in the South. All members of the Chemical Department are invited to attend this meeting.

GRAHAM-WHITE'S NEW AEROPLANE EXHIBITED

Air-Craft Built by the Burgess Company of Marblehead Is Completed.

FIRST ONE TO BE FINISHED.

Noted English Aviator Has Decided to Submit to British War Office.

The Burgess Company and E. Curtis have issued invitations to patriotic men interested in aviation to come to Burgess' plant on Saturday afternoon and be present at the dedication of the first of the seven aeroplanes which the company is building for Graham-White in Marblehead. Graham-White wishes to submit to the British War Office the type of plane shown in the photograph. The machine is a biplane, designed primarily to carry only the aviator, and is equipped with a motor so that a light passenger can be carried. The plane is to have a seven-cylinder engine of the type used by Graham-White at the Harvard-Radcliffe air meet. The speed is 50 miles an hour and the length of the plane is 4 feet 6 inches, while the surface area is approximately 185 square feet.
SOCIETY OF ARTS
HOLDS MEETING


Professors Spofford and Jaggar addressed the Society of Arts at the regular meeting held in Huntington Hall last evening. The subject was “The Earthquake of May 4 at Carthage.” President Macfarlane introduced Professor Spofford, who read a paper on the earthquake in Carthage, Central America, as seen from a civil engineer’s point of view. Slides showing many buildings before and after the earthquake were presented, and the advantages and disadvantages of different types of construction were dwelt upon at length.

As there were no steel-frame or reinforced concrete buildings in Carthage no date could be obtained as to their behavior under these conditions, but from observations of the buildings, Professor Spofford has reached the conclusion that wooden frame buildings are best suited to these regions. Brick does not stand the shock very well, while adobe offers no resistance against earthquake shocks. Adobe is simply dried mud, and has no tensile strength, even though the walls are very thick. Professor Jaggar then showed the geologist’s point of view. Several views of volcanoes, most of them extinct, were shown to illustrate his remarks.

(Continued from Page 1.)

President Maclaurin thanked the President and members present for their interest in the subject. The evening was enjoyable.

(Continued from Page 1.)

“Why some inventors fail.” Send rough sketch or model for rough sketch or model for patent, 25 of any three different books on patents. “Hints to inventors.” “Inventions needed.” With each package of Fatima you get a paper coupon, 25 of any three different books on patents. “Hints to inventors.” “Inventions needed.”

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PATENTS
Prize Offers from Leading Manufacturers

R. E. Bates, and the management for the year of Mr. A. B. Appleton, there are now vacancies in the offices of vice-president and member of Executive Committee. These vacancies will be filled by election Thursday. Informations regarding the new positions will also be given.

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GIVES TO TECH STUDENTS A DISCOUNT OF 10 PER CENT ON CORRECT STYLES FOR STUDENTS

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He also spoke of the new observation station to be established at Honolulu. It will be fully equipped with the latest forms of seismographs, pyrometers, etc., and will probably be under the direction of men connected with the Institute.

Professor Spofford was introduced by Andrew Carnegie, the Alumni, and by the merchants of Honolulu, who have pledged themselves to contribute the sum of $5000 a year for the period of 5 years. Attempts will be made to measure the heat of the boiling lava by means of a new pyrometer specially constructed for the purpose. Plans have been made for the observatory building by a professor in the Architectural Department. The work is favored by Professor Jaggar is complete, with a handsome roof, and is constructed entirely of reinforced concrete. Experiments by the Japanese government have shown this form of roof to be best adapted to regions subject to earthquakes. The suitability of Honolulu for the observatory was well illustrated by a map which shows the place entirely surrounded by volcanic regions. Starting from Honolulu, down the western coast of North and South America, and up the western coast of Asia, are most of the active volcanoes of the present time.

As practically no land intervenes between these regions and Honolulu, it is one favored by Professor Jaggar is the Architectural Department. The evening was enjoyable.

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