

Professor Franklin Proposes Method To Tame Devastating Florida Storms

Would Explode Huge Charges of Powder to Dispel Hot Air in Path

"It has often been said that the two things that man is unable to control are a woman's mind and the weather. Professor William S. Franklin of the Physics Department of Technology, however, would attempt to do something about the latter.

"We have terrible hurricanes in Florida every few summers and I believe there is a good possibility of our being able to tame them. We know what causes them and know when they're coming—storm warnings were posted at least three days before the last one ripped its way through Palm Beach and so why don't we do something about it?"

Mark Twain once said, "Everyone talks about the weather but nobody does anything about it." Professor Franklin, however, does not merely intend to talk about it as he proposes a plan to help control these storms which devastate our country. In short, the main points of his plan are as follows:

Florida Prey to Storm

Florida summer weather is very conducive to atmospheric conditions that breed storms. The lower strata of air is much warmer and moister than the upper area. As warm air naturally tends to rise, and is just waiting for an opportunity to do so, the least disturbance in the upper strata sends it whirling upwards.

Very often the spark that starts the storm is in some far distant place. Some have originated over the Gulf of Mexico, others in the West Indies where the last storm began. With what little impetus it has gained, the storm rushes northward into this hot area. The hot air which is from 200 to 300 miles wide is drawn into the path of the on-rushing fury and is whirled upward into the cold air above.

Professor Franklin intends to steal the storm's thunder, both figuratively

and literally. By means of immense explosions of gun powder in selected and well-separated places, the hot air would be started on its upward journey before the storm reached Florida. This would not only protect Florida from devastation but other parts as well for the storm would have no hot air to feed on and would die out.

No Machinery Ready

"Please don't think that I have the machinery all designed and constructed to put this idea into effect," warned Professor Franklin. "In fact I have made no experiments and do not know if the plan is at all practical. But it does seem reasonable and I have written to the United States weather bureau about it.

"I have asked the bureau to investigate more thoroughly meteorological conditions in Florida and see if it is possible for us to make artificial storms. By means of weather kites and balloons, they should be able to discover the temperatures and humidity at various heights up to 10,000 feet or more.

"Then they should be able to tell what amount of energy would be needed to start an upward rush of air. If a million tons of gunpowder were needed to create sufficient energy, well, then it would hardly be worthwhile, for the gunpowder would cost more than the damage of the greatest storm.

RADIO CLUB MAKES PLANS FOR FUTURE

Tentative plans for the coming year were discussed at a meeting of the Radio Society in Room 10-200 at 5 o'clock on Monday. It is expected that the station will be moved to its new location in the early future.

Three transmitters will be placed in operation as soon as possible. A 250 watt, 500 cycle transmitter will be used for 20 meter communication, a 100 watt d. c. transmitter will operate on the 40 meter band, and a 250 crystal controlled set will be used for amateur and army communication on the 80 meter band. The latter set is supplied by a motor generator.

Albert E. Cullem, Jr. '31, was elected as president of the society for the coming term. John N. Dwyer '31, and John J. Hollywood '31, were elected as vice president and secretary-treasurer, respectively.

NOTICES

BOOK EXCHANGE

T. C. A.'s Book Exchange requests that all men having money due them from books that have been sold, call for same either today or tomorrow.

TECHNIQUE SIGN-UPS

There will be a desk maintained in the Main Lobby for Seniors to make appointments for Technique pictures, throughout the week. The photographer will be here on Thursday morning prepared to take pictures.

A. A. COMPETITION

Any Sophomores interested in trying out for the position of Treasurer of the M. I. T. A. A. are to leave their names and phone numbers with Edward A. Yates '29 or with Miss Denison in the A. A. office as soon as possible.

T.C.A. Drive Nets About \$1500 For First Day's Work

All Free Lancers Are Requested to Notify Office of Daily Returns

WORKERS HEAR PRESIDENT

(Continued from page one)

est on the list with a score of 6.2 with 10 as perfect. The Kappa Sigs came next with a score of 4.8. Judson Biehle '27, the "Tech in Turkey" representative, is a member of the above mentioned fraternity.

Many students are availing themselves of the opportunity to make their pledges payable through the Bursar's office, on their next term's bill. This method is believed to be more convenient for the undergraduates to contribute a greater sum of money.

In order to raise the necessary quota, \$2,260 must be donated by the undergraduates during the rest of the campaign, which will last until 6 o'clock on Friday.

Request All Men to Report

All free lancers and Drive men are requested to either phone or to make personal reports to the T. C. A. office daily concerning the amount of money and pledges that they have received. This is necessary if the graph is to be kept entirely up to date.

Graphs indicating the amount of money that has been subscribed or pledged to the T. C. A. will be posted daily in the Main Lobby in order to permit the undergraduates to follow the results of the campaign.

President Samuel W. Stratton spoke to the men connected with the Drive at a meeting in Room 4-237 at 5 o'clock on Monday.

T. C. A. Assists Many Students

Among the various projects of the T. C. A. that aid the students, are included the Employment Bureau, the Freshman Camp, the Room Registry, Conferences, Book Exchange, Foreign student work, Freshman Work, the Freshman handbook, Church Relations, Boys Work, and Jail Work.

This year's Freshman Camp cost the T. C. A. two dollars for every freshman that attended. The upperclassmen's entire expenses were paid by the association.

It is hoped that this year's Drive will go over the top and that every man will contribute his utmost. Letters will be sent to all students who have not subscribed giving them an opportunity to assist in helping the T. C. A.

Radio Station Of Institute Hears Giant Dirigible

Communication from Zeppelin Given to Newspapers by Operators

Radio Station W-IXV, provided for the use of the Institute by an endowment of Colonel E. A. R. Green, picked up the calls from the Graf Zeppelin both when the dirigible was coming to this country and just recently when it left. Colonel Green, himself an ardent radio fan and research engineer, gave the station to the Institute about two years ago for experimental work with short waves.

Operators at the station first picked up the dirigible when the giant ship was battling a storm off the Bermudas. The station kept in touch with the transatlantic airship until it reached shore. Reports and communications were furnished to the Press Associations by the operators. Monday when the dirigible started back for Europe reports were received as it sailed up the coast. A few hours later the signals faded away.

The station was given primarily for the purpose of investigation the strange action of short waves. One of the most unusual of these is "skip distances." This phenomena is being investigated here. Research is being made on "fading" which is one of the greatest bugbears to reception. Cut off wavelengths, arrangements of transmitting antennae, and other important problems are also under investigation.

HUNTER ROOSE ATTENDS MEETING

Technology's chapter of Chi Epsilon, honorary scholastic fraternity among engineering colleges, will be represented by Hunter Rouse, '29, Editor of THE TECH at the National Convention of the fraternity at the University of Wisconsin, Madison Wis.

Dewey Back After Railroad Inquiry

Fact Finding Commission Gives Report of Conditions to President

Professor Davis R. Dewey of the Department of Economics, recently returned from the Fact Finding Commission, which was appointed by the President Coolidge, to investigate and report upon the causes of the railway dispute of the railroads of the Western District.

Conductors and trainmen on the Western District Railroads wanted an increase in wages and a change in one of the rules. The railroads agreed to grant a raise not equal to that demanded but would not agree to a change in the rules. In return they desired to change another rule. Disputes lead to a deadlock. The Railroad Labor Act of 1926, provides that all railroad disputes be settled by mediation if possible. If this means is unsatisfactory, arbitration should be resorted to if both parties agree. The conductors and trainmen refused to arbitrate.

President Appoints Board

If both of the above means fail, the President of the United States shall appoint a Labor Board to investigate the causes and report upon same. The board is allowed 30 days to conduct the investigations. Neither party can break off operations for 30 days after the submitting of the report to the President, thereby giving the government 60 days to settle the dispute.

There were five persons on the Commission, which was appointed about the first of October. The members of the board were: Mr. George T. Baker of Iowa, a retired Civil Engineer, Professor Davis R. Dewey of the Department of Economics, Mr. James R. Garfield, former Secretary of the Interior, Mr. Chester H. Rowell an editor of Berkeley, California, and Chief Justice Walter P. Stacy, of the Supreme Court of North Carolina.

PAUL HAZARD BEGINS LECTURES IN FRENCH

Professor Starts Lecture Series on Eighteenth Century Reactionism

Profesor Paul Hazard of the College of France began a series of lectures in French on "La Sensibilite Francaise au Dix-huitieme Siecle" in Huntington Hall last night at 8 o'clock. His subject was "La Tradition Rationaliste en France; Premiers Indices de Reaction."

This series is given under the auspices of Lowell Institute and is open to the public without charge. Tickets may be procured by applying by mail to the Curator of Lowell Institute, 491 Boylston Street, Boston, and enclosing one stamped addressed envelope for each ticket desired.

Further lectures in the series are: Friday, November 9—"Le Dix-huitieme Siecle en Mouvement: Voyages et Cosmopolites;" Tuesday, November 13—"Les Influences Etrangeres et le Sentiment du Poetique;" Friday, November 16—"Jean Jacques Rousseau et la Contagion du Sentiment;" Tuesday, November 20—"L'Illuminisme;" and Friday, November 23—"Le Triomphe de la Sensibilite."

FALES IS SPEAKER AT S.A.E. MEETING

Auto Engineering Society Plans its First Lecture

Professor Dean A. Fales '14 of the Department of Mechanical Engineering will talk to the Society of Automotive Engineers on the subject of the newly-developed single sleeve internal combustion engine on Friday. This talk will be the occasion of the first meeting of the society this fall, Room 3-270 having been reserved for the lecture.

Professor Fales' talk will be illustrated by lantern slides and will be the first opportunity Technology men will have of hearing the principles of the new engine explained to them. During the development by Mr. Gaw, for whom it is named, Professor Fales was constantly in active connection with the proceedings, acting frequently in an advisory capacity. The meeting will not be limited to members of the Society, all others being cordially invited.

Civil Engineers to Meet Tonight

Mr. Rollins Will Address Civil Engineering Society at Supper Tonight

Mr. James W. Rollins '78 will address the first meeting of the Civil Engineering Society tonight, on the subject of Deep Water Bridge Foundations. The affair will begin at 6 o'clock with a supper in the North Hall of Walker.

Mr. Rollins is well qualified to speak on this subject having had more than fifty years experience in the field of engineering. His talk will be instructive as well as entertaining and will contain a discussion of various problems concerning bridge building. His speech will be well illustrated with lantern slides.

The supper will be followed by smokes and music. The one holding the lucky number at the supper will receive a handsome ivory set of Engineers and Architects scales. The price of the supper for members of the Civil Engineering Society will be 35 cents. This will be an opportunity for all non-members to join the Civil Engineering Society.

MATHEMATICS CLUB MEETING IS TODAY

Mr. Raymond D. Douglass Will Speak on the Slide Rule

Beginning their schedule of regular weekly meetings, the Mathematics Club will convene today at 8 o'clock in the evening, in the Faculty Reading Room in Walker Memorial. Mr. Raymond D. Douglass of the Mathematics Department will speak on the Slide Rule.

This meeting is planned to be particularly interesting to freshmen who are not as yet acquainted with the inevitable "slip stick." Mr. Douglass will explain the use of the instrument emphasizing the many little tricks that can be used to such good advantage. All students interested are cordially invited to attend.

ENGINEERING CLASS SEES AUTO BODY CO.

Students Stop at Haverhill to See Home of Whittier

Members of the class in Manufacturing Processes visited three plants Friday, November 2. The factory of the Biddle & Smart Co., the Aga Lamp Co., and the Walker Body Company at Amesbury, Mass. About seventeen students under Mr. Arthur B. English made the trip.

At the Aga Lamp Co. the visitors had a chance to see the relatively new process of chromium plating. In the other two factories where the bodies of the Hudson and Franklin cars are made the many steps in their manufacture were seen.

The trip was made by automobile and a stop was made at Haverhill to visit the home of John Greenleaf Whittier.

JOIN THE AREO CLUB AND LEARN TO FLY

(Continued from Page One)

mittee as an undergraduate organization. Later, however it was, and within a short time became one of the strongest Clubs on the campus. It is for the purpose of carrying on this Flying Club that the officers urge a large number of men to attend this meeting and to join as members for the coming year.

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