

BY EUGENE WORCESTER

Los Angeles, Cal. (Special) Feb. 28-A China Clipper en route to Hawaii reported at 11:00 a. m. Pacific time, that for an area of at least ten square miles, and about 500 miles east of Honolulu, the sea was experiencing an unusually vigorous agitation, although no wind was Evidently some influence of a subterranean nature was effect-Shoals and reefs were in evidence in the sector which is charted as 2000 leagues deep.

-The tanker "Ramona" sailing for duction at Armour. He then ex-Burma was grounded early this plained how students are chosen and morning on reefs reported at 500 enrolled in the course, how the stumiles due east of Hawaii. The reefs dents compare with the regular daywere rapidly rising, and the ships school students in grades, and the hull was already high and dry. general attitude of the co-op students Sounded in 1921, this area of the in regard to this type of instruction. ocean is recorded as 11,800 feet deep, so that evidently some new land is Mechanical Engineering department, rising due to a volcanic movement. explained the purpose of each group The seismograph here recorded a of subjects given in the co-op course violent east Pacific shock two days and also the similarity of this course ago, this probably being indicative and the four-year mechanical engiof the unusual occurrence.

Washington, D. C. (P. A.) Feb. 29 -The U. S. government dispatched two destroyers to the area of eruption to investigate and if possible substantiate the reports of a newly rising island.

evening, and under full steam they school periods. sailed east. It is rumored they are heading for the new island, named

The ships flying between Hawaii and mainland report that a full island, muddy, but firm is now fully risen from the ocean.

Berlin (Special) Mar. 1-The German government sent a fleet of ten warships to the Pacific ocean to complete a study of Pacific marine life, it was reported from the foreign office this evening.

announced tonight in a speech to his! The executives were requested to ask cabinet that Italy would assume the speakers any questions they wishownership of the newly created Falk- ed regarding the course, and respondland, in as much as Italy was not ed with many questions. represented in the Pacific. Mussolini! renamed the island "Benito" after himself.

London (F. N. S.) Mar. 2-Mr. Chamberlain, corvinced that there is an island in the Pacific, has announced that Britain will take over its ownership for the present until it is necessary to give it away.

Wash, D. C. (P. A.) Mar. 3-Pres. Roosevelt predicted a crisis in the Pacific unless a conference might be called to settle the question of the ownership of Falkland. Belonging to the United States, as it was discovered by an American, Roosevelt suggested an immediate withdrawal of all other powers. Secretary Hull stated that Falkland falls within the jurisdiction of the Monroe doctrine, and would make a forty ninth state.

Falkland, Pacific Ocean, Mar. 4-1v endowed libraries. H. M. S. Chester reported that a Japanese cruiser fired on it tonight as it passed it on the port bow. The Jap- Phenix Corporation will present an ter per minute on the fire. anese captain explained it was a pure educational study of the manufact. The land forces are now augment accident, as his gunners were shoot- ture of cheese. Special emphasis will ed by the modern fire boat, Fred ing whales and had mistaken the be placed on the bacteriology and Busse. This boat, replacing the British man o' war for a sperm whale, engineering of cheese making. Mr. steam powered Grahme-Stewart, is No further explanation has been Kraft is the inventor of a pastcuriz- diesel powered and has a pumping made.

Washington, D. C., Mar. 5-Pres. Roosevelt succeeded in calling a meeting of the powers at the White House

Washington, D. C. (Very Special) Mar. 12-The Washington conference came to a dramatic close today when it was unanimously decided to destroy Falkland, as no agreement to its ownership could be reached. Britain proposed giving it to Hitler, and the Philippines to Italy, to maintain and by some very astute manipula- instruments to regulate temperature Vermont and county agent of the Spanish Serenade by Herbert, and the tion, Hull succeeded in passing the of cheeses, and methods of acidifying farm bureau. The complete process, glee club and orchestra singing and Destruction Treaty whereby the to aid curdling. Mr. Kraft will de- from tapping of the trees and boiling playing The Ranger's Song from Rio island will be dug up and dumped scribe all this in detail. back into the sea. The cost of destroying it will be borne by each government.

the next one now not due until May, due to the extensive dredging operations necessary.

Tibbals Attends Aurora Banquet

Sponsoring the first banquet of its kind in this area, the Aurora-Armour Co-op club held a dinner on Monday, Feb. 21, at the Silver Tea Pot in Aurora. The purpose of the banquet was to bring industrial executives, educators, and co-op students together and present to these men a complete picture of the operation of

the co-op course at Armour Institute. Bob Schmidt, co-op student and co-president of the club, acted as chairman and introduced the toastmaster, Ben Kallevik, another student. The toastmaster then introduced the first speaker, Mr. L. J. Lease, co-ordinator of the co-op course at Armour. Mr. Lease began his speech by presenting the history Seattle, Wash. (A.T.N.S.) Feb. 29 of the co-op movement and its intro-

Prof. P. C. Huntly, head of the neering course. Following this, Dean C. A. Tibbals elaborated on the school in general, comparing various departments of the institution in size, grade average, etc. He pointed out that the co-ops are somewhat isolated from the regular students be- ed a stimulating talk on the "Funccause of the change in work and tions of a Fire Department," to the Toyko (P. U.) Mar. 1-The Jap-| school schedule, but he also urged F.P.E.S. last Friday. anese imperial navy withdrew five these students to participate in extracruisers from Hong Kong area last curricular activities during their at all confined to fighting fires. Much

General Thomas Hammond, presi- equipment. The routine of the week ability. This is in anticipation of Falkland, after Capt. Falk of the dent of The Whiting Corporation, re- usually runs as follows: Wednesdays the forth-coming convention of stu-Clipper ship who first saw the land. lated some of the difficulties encoun- are brass days, that is, the metaltered in placing co-op students. The ware in the firehouse and trucks is poor conditions in industry in the polished; Saturday, scrub day; and past few years, he said, made it ex- every other day except Sunday and tremely difficult to find jobs for holidays is drill day. The drill days prospective students, but in spite of are taken up in practice in the use of these unavorable conditions, the co- the pieces of apparatus of the departop course has grown steadily since its, ment. Speed is the main factor in inauguration at Armour.

Following his address, a general discussion was led by Mr. C. I. Carlson, head of the Industrial Arts de- in the world. The principal reason Rome (Special) Mar. 2-Mussolini partment at East Aurora High School.

ENGINEER-

(Continued from page one)

The chief advantages are the tremendous number of publications which mable nature of the film. Efficient for the firemen in the building. of "Photo-records", has been largely the Stock Yards fire of May 19, 1934. confined to the larger and more rich- At the climax of the fire, 120 en-

Explain Cheese Pasteurization Their secretion of enzymes serves to which is on board at all times. change the chemical structure of the cheese and give it its characteristic of building construction has been reflavor. The bateria are cultivated very quired. Most of the buildings are of carefully, different bacteria being entirely new and modern design. This used to instill the various flavors, article will deal with the architecture Bacterial cultures are carefully pro- and construction of these new protected by the manufacturers as they jects. are extremely valuable. Engineering plays an important part in the design | Story of Maple Sugar" by E. M. Root,

Armour Alumnus a Contributor Of interest to architects will be an Professor Walter Hendricks has article by David Baker entitled "New | been assisted on this issue by several | the program and while waiting for The conference was considered Architecture of Palestine." David new staff members. They are Stephen highly successful in that it procras- Baker is an Armour grad, Arch '38, P. Finnegan and John J. Ratto, class tinated the crisis schedule in Europe, and the distinguished possessor of of 1939; Sidney A. Heenan and Eu- impromtu jam session, thereby giving two coveted Beaux Arts prizes. Be- gene J. Kalnin, class of 1940; Edwin those members of the audience who cause of the greatly increased emigra- L. Hass, Lionel Naum, and Henry E. tion of Jews to Palestine, a great deal Wessel, class of 1941.

Harrington Speaks to Members of Theta Xi

Philip Harrington, E.E.-'07, now city commissioner of subways, was the guest speaker at the dinner and smoker held by Theta Xi in the Student Union, Wednesday, February 22. The subject of the talk was the new State Street subway. Mr. Harrington in his talk discussed the cost involved and the problems to be solved in the construction of 6.4 ing in Science Hall. miles of tunnel through the blue Chicago clay. The contracts for the subway have been let for the construction of one section of the tube at

War. The fraternity originally limited its membership to those majoring in the sciences. This restriction was made because the early chapters were started in technical schools. A vote taken in 1932 caused the limitation to be removed. The Armour chapter was started in 1932.

Other guests included President Henry Townley Heald, Col. Henry Waite, and Henry Brinkerhoff of the P.W.A. subway commission.

Battalion Chief AddressesFPES

Battalion Chief John Redmond of the Chicago Fire Department present-

A fire department's activity is not of the time spent at the fire house is these drills.

Chicago has the reputation of possessing the fastest fire alarm system for this is the highly perfected tele-I phone and telegraph system that is installed in the stations.

Each station has 16 wires leading to it, the network connecting the entire city and the fireboxes in each district into one unit. A two-way radio system is now being installed.

Before entering the service a man photos are taken of every page of the must go through a training period of material to be filed. A projection one month. During this time the esmachine is used to focus pictures sentials of the telegraph and the on a screen when they are to be read. workings of the various pieces of ap- A. I. Ch. E. To Hold Smoker paratus are explained.

It was pointed out by Chief Redmay be stored in relatively small mond that ventilation is a necessity space and their long life. This sys- for the successful fighting of a fire. tem, however, is quite expensive. This ventilation is accomplished by Store-rooms must be made of com- "back drafting" or opening holes into pletely fireproof material as required the building to force out the heated by law because of the highly inflam- air and provide working conditions

projection machines are an addi- In reply to a question by Protional, and not inconsiderable ex- fessor Joseph B. Finnegan, Chief pense. For these reasons, the use Redmond gave a vivid description of gines and 2,700 men were in action. At one time the engines were pump-James Lewis Kraft of the Kraft ing a total of 100,000 gallons of wa-

ing process as applied to the cheese capacity of 12,000 gallons per minindustry. Bacteria play an indispens- ute. Equipment includes sleeping able part in the making of cheeses. quarters for an emergency crew,

Last but not least will be "The and low. of the sap to the completion of the Rita. finished project, will be described.

Student Speaker Series Begun by Bernard Oswald

"Modern Boilers" was the subject of Bernard F. Oswald, the student speaker, who appeared before the A.S.M.E. meeting last Friday morn

The rapid strides that have been made in boiler construction, manufacture, and performance during the period between 1880 and 1930 were taken into account. Because of the The Alpha Gamma chapter of decline in industrial expansion, no Theta Xi was the host for the eve- major developments were made from ning. Theta Xi was the only social | 1930 to this date. Slides were shown fraternity organized during the Civil that pictorially and graphically only department in which there are illustrated the details of each boiler model produced by the Combustion Engineering Company.

Particular attention was directed to the engineering features incorporated into a large unit manufactured for the Consolidated Edison Company of New York, this unit being capable of producing 1,270,000 lbs of steam per hour. Two machines, and check their credits. a giant forming mill, capable of rolling three inch steel plate into cylindrical form without any difficulty, and an X-ray machine revealing the condition of the grain structure of the metal about welded seams, were shown in pictures and discussed by the speaker.

dress Harry Soukop, vice president, announced that five members had expressed a desire to speak before the society at some future date on subjects of interest to the entire group. Student speakers are introduced instead of having eminent engineers address the society in order to aid Presenting the industrial view, taken up by drills and cleaning of in developing student public speaking dent branches to be held in Chicago at Lewis Institute on April 17th and 18th, where prizes are awarded for the best paper presented.

> "During the past two years, Armour has won second place each time," said Prof. Nachman, "and adequate preparation is necessary to acquaint students with the difficulties encountered when speaking before a large group."

The symposium on "Steam Power" proposed by Prof. Nachman will be postponed until April, in order that upper classmen may devote their time to preparation for the convention.

Max Ephraim suggested that the graduating members of the society bers. use the facilities of the Chicago section of the A.S.M.E. employment service, through which many desirable positions are available.

for the annual smoker of the A. I. technical library, the employment Tuesday of each month. This summer Ch. E. This year the genial event service, admission to all meetings and the Chicago group is sponsoring a will be held in the pleasing atmosphere of the Student Union, with the quant intervals, and inspection trips. management problems. all popular Bernard "Sonny" Weissman as the guest speaker.

the furtherance of the "See America problems with which the plant has engineers, investigators, and teachers First" campaign, will provide a travelogue movie which vividly portrays the natural beauty of American National Parks and Monuments. Other highlights of the program planned by a competent committee in charge of arrangements include amusements that are capable of wringing chuckles from even the most hardened bunch of "Chemicals"; and last, but not least, Mrs. Thompson has promised the most delicious of refreshments.

The price of admission has not been decided, but officers are confident that it will not exceed forty cents.

CONCERT-

(Continued from page one) bert Hansen who duoed in several Russian selections on a banjo and an accordian. A double octette composed of members of the glee club sang Sweet and Low and it was both sweet,

The program was brought to a close a balance of power. U. S. objected, and construction of vats, machines, a lecturer at the State University of with the orchestra's presentation of

> As in the past pictures of the musical clubs were taken at the close of the photographers to get set up, both glee club and orchestra swung into an remained two concerts for the price of one.

Registrar Asks To See Seniors

Armour Institute's scholastic wave advances. Statistics just released from the registrar's office show that at present there are 1065 students registered in the various departments. Mechanical engineers lead with a total of 351. Of these 150 are freshmen and four are graduate students. The Chemical engineering department is next with a total of 291 students. This department leads in graduate students, having a total of sixteen. Electrical, Civil, Architectural and Fire Protection engineers follow in the above order. There are 25 sophomores in the Civil department and only 24 freshmen. This is the more sophomores than freshmen.

Next June, according to statistics, 143 students will graduate. Forty two graduate students will also be awarded degrees.

Many seniors have not as yet checked their records. To avoid confusion at a later date, Mr. Kelly suggests that they see him immediately

Selected; Meet in Science Hall Friday

At the conclusion of Oswald's ad- Footlik and Bill Mackey Are Appointed

the Society for the Advancement of | sion, 4.1 per cent receive general ad-Management will hold its next meet- | ministrative or personnel manageing on Friday, March 3, at 10:30 a. ment positions, 3.1 per cent become m. in Science Hall. Members and employed by the sales department. prospective members alike are cord- and 3.1 per cent are engaged in conially invited to attend.

At the society's meeting last Wednesday the program and inspection-groups showed compensation above trip committees were elected. The pro- 8,000 dollars per year for chemical gram committee consists of Irving and ceramic engineers, these remun-Footlik, chairman; Norman Rice, Jo- erations ranging down to the civils, seph Aberer, and Delano Wessels. whose upper 10 per cent received a Members of the inspection-trip com- | wage in excess of 6,100 dollars. The mittee are William Mackey, chair- average engineer begins at 1,500 dolman; Warren Groundwater, William lars a year, at an age of 22. Ten

its decision to make the vice-president about 2,400 dollars a year. From the chairman of the program com- then on his rise is very rapid until mittee. The chairmanship of the other | he hits his peak at 60 years of age. committees is to be limited to juniors and seniors, although committee only 33 per cent of the engineers membership is not to be otherwise re- were not continuously employed. stricted. A request was given for ad- | About 16 per cent were unemployed ditional volunteers for comittee mem- | for the period of one year. However,

for Advancement of Management con- most part restored in 1934. sists of student members of the parent organization which was formed trips will be planned by the student under the direction of Mr. H. P. Dut- chapter, and the first of these will ton in 1936. Members of the society soon be announced. In Union on March 15th are entitled to its services, which include the Society Journal and all vited to the meetings of the Chicago March 15th has been set as the date other publications, admission to the chapter which occur on the third conferences which are held at fre- national conference on personnel On these trips the student not only views the plant operations, but is also | the society are manufacturing and The United States Government, in given a discussion of the management merchandising executives, industrial been confronted. Several of these of management.

HERBERT

RICE INSTITUTE

SEVERAL OF THE LIGHT

PLACED IN SERVICE WHEN

BULBS THAT WERE

IN 1912 /

IS STILL USING

A.S.C.E. To Be Formally Adopted by Tech Civils

According to present plans, the Armour student branch of the American Institute of Civil Engineers will be formally instituted some time in March. This will make possible the reorganization of the W.S.E. into a general engineering society.

At the present time opinion is divided on the exact form which the future W.S.E. should have. Almost all those interested agree that it should furnish a parent society which could coordinate the activities of the individual groups. On the question of having freshmen and sophomores as members of the society, opinion is divided. In an effort to iron out these difficulties a committee of one junior and one senior from each departmental society has been appointed. These men will meet soon and consider arrangements for the future W.S.E. at Armour.

A.I.Ch.E.

(Continued from page one)

In regard to training of engineers, Fried submitted the following data: Of 5,000 practicing engineers, 14 per cent have taken graduate work, 75 per cent have their bachelor's degrees, 6 per cent have not completed their college training, 4.3 per cent have incomplete college work, 0.6 per cent have no college technical work, and 0.1 per cent have no technical training.

Of the graduating engineers, 47.5 per cent go into operational works, 35.4 per cent become connected with designing and research problems, 5.8 Armour's newly formed chapter of | per cent enter the teaching professtruction work.

The upper 10 per cent of the wage Dres, Geo. Bauman, and Harry Dryer. | years later his industrial training has The steering committee reported been completed and he is earning

During the period of 1929 to 1934, the wage cuts ranged from 28 to 64 The Armour branch of the Society per cent. These cuts were for the

All members of the society are in-

Included as national members of

