

Of General Interest

PANAMA-PACIFIC INTERNATIONAL EXPOSITION.

CHEMICAL AND PHARMACAL EXHIBITS.

The exhibits from the chemical and pharmaceutical industries of the world will be shown in the splendid Palace of Liberal Arts at the Panama-Pacific International Exposition in 1915, and their extent promises to be as inclusive as their variety will be instructive and interesting.

The diversity of these displays is seen in the fact that soaps and perfumes are scheduled under group 36 of the exposition's book of classification and so are apparatus and processes for the compression and liquefaction of gas. Pyrotechnics, bombs and signals, together with matches, will find a logical place in chemical relationship with the by-products for pharmaceutical use obtained from treatment of petroleum and coal-tar derivatives. The evolution of the den of an ancient alchemist will be seen in model laboratories of the present with complete equipment installed.

The extent of the industrial interests that are embraced in this department is disclosed in the statistical eloquence of the United States Census Bureau which shows that there are 5,168 establishments in the United States devoted to the production of articles involved in the chemical and pharmaceutical arts, with an invested capital of \$419,930,000, employing 109,309 persons earning \$73,491,000 and producing \$455,095,000 annually.

In connection with this exhibit it is expected that there will be carried on a most interesting series of public demonstrations—exhibitions for instance, of the research work carried out by the use of liquid hydrogen and illustrating the properties of matter at the temperatures approaching "absolute zero," should be of engrossing interest.

There is, according to scientists, a point at which heat is extinguished—where "the molecule ceases to vibrate." This theoretical point is called "absolute zero." It has been

scientifically stated to be at 460.6 degrees, Fahrenheit below zero. The lowest temperature recorded by Arctic explorers is 72 degrees below zero, though balloon-carried thermometers have registered as low as 100 degrees below zero by thermometers carried to a height of nine miles at which altitude the 100 degrees below zero weather prevailed.

Another series of experiments that is calculated to prove as interesting in a popular way as important scientifically will be the demonstrations devoted to the exposition of liquid air. These experiments, as prosecuted under the genius of Professor Dewar, have been reduced to the terms of popular understanding without rendering negative their scientific value.

The principle upon which Professor Dewar constructed his apparatus for liquid air production is elemental. Vapors and gases in a state of expansion absorb heat and reduce temperature. His successful experiments grew out of the extremes to which he carried this principle and the marvelous precision of the apparatus employed. The low temperature required for solidifying hydrogen was attained in three progressive stages. The liquefier was divided into three concentric and corresponding parts. The low temperature of the first stage became the high temperature of the second and the low temperature of the second became the high temperature of the third. Step by step the theoretical, critical temperature has been approached and gas after gas solidified, the element helium alone resisting all efforts to reduce it to a solid state.

The Federal government's interest in these experimental processes is sufficiently indicated by the fact that the United States has installed a complete "low temperature" plant in Washington and is proceeding with more important experiments. Germany is another nation deeply interested, and the more recent achievements in that country in the field of synthetic carbon chemistry being

largely responsible for the reputation popularly ascribed to Germany of being in the lead of all nations in individual chemistry—a belief intimately associated with Germany's recent brilliant achievements in her color industries.

It is probable that these experiments in what until recently was the world's greatest mystery—next to life itself—the mystery of heat, will be carried on at the forthcoming exposition under the light of the latest research and knowledge.

Theodore Hardee, chief of the department of Liberal Arts, says that there has been a more than gratifying response made to his invitations to participate, and that all nations will send their representatives and products to this most interesting department of human enterprise. From attar of roses brought from Bulgaria—the world's almost single source—in the Balkan mountains, to perfumes from Brazil, herbs from China and medicine chests from France, the American exhibitor is promised much friendly but vigorous competition to the importance of which he is, says Mr. Hardee, fully alive, his concern arising no less from impulses of patriotism than from motives of business and the opening of new trade routes and commercial centers due to the completion of the Panama Canal and the consequent opening up of the Orient and the rich nations on the western coast of South America.



ANNUAL MEETING OF THE AMERICAN DRUGGISTS' FIRE INSURANCE COMPANY.

The annual stockholders' and directors' meeting of the American Druggists' Fire Insurance Company was held on Tuesday and Wednesday, February 10-11.

The company is now saving its policyholders 25 per cent of their premium cost along absolutely safe and conservative lines, and if its growth in business continues, this saving can be extended to 30 per cent at a comparatively early time, and still greater opportunities along that line are sure to be realized with an increased volume of business. Every retail druggist in the country who places his insurance with the A. D. F. I. Co., thus adds to its ability to ultimately make greater savings in premium cost. The advantages for the retail drug trade of the country which

will accrue from the undivided support of the A. D. F. I. Co. are far reaching and the best which may be hoped for from every source considering as the first essential absolutely safe and reliable insurance.

The Board of Directors found the present office quarters of the company to be wholly inadequate for its needs in taking care of the growing business. It authorized the Executive Board to find either a suitable site for erecting an office building or an existing building which with alterations would be suitable for an office building, in such case providing therein for sufficient office space for the company's use and otherwise adapted for rental purposes as an investment, providing, however, that only the surplus of the company above capital and reserves should be available for such purpose. It is the aim of the Executive Board to carry this project out by finding a location where the company will not only have immediate and profitable return from such investment, but where the company will also derive benefit from the enhancement of ground value.

During the year the company wrote insurance amounting to \$12,569,310, at a premium of \$127,960.36. As compared with other companies this represents a premium value on business written of \$164,472.88. Of its business written during the year the company reinsured \$1,141,450, at a premium of \$13,158.06. On December 31 the company had 6,916 policyholders.

The direct net savings as made by the company for its policyholders during the year representing money actually retained by the policyholders, amounted to \$41,118.22. In addition the company made a net profit from its insurance business of \$20,323.96, and a net profit from the investment of its capital and surplus of \$11,846.36. Since the company has been in business it has saved its policyholders in their premium-cost the magnificent sum of \$158,033.36.

Assets and Liabilities, December 31, 1913.

Assets.	
Government, county and municipal bonds.....	\$323,417 27
Cash in bank and in office.....	9,914 72
Accrued interest on bonds and deposits	4,896 46
Office furniture, after deducting depreciation of 10 percent.....	659 45
Agents' balances in course of collection	15,368 31
Making a total of.....	\$354,256 21

Liabilities.	
Agents' commissions, net.....	\$1,665 52
Salaries	833 48
State taxes on premiums, estimated income tax and personal property tax.....	2,334 22
Fire losses in course of adjustment	3,498 73
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Making total liabilities, not including re-insurance reserve, of.....	\$ 8,331 95

The above statement of assets and liabilities shows a gross surplus, including capital, of \$345,924.26. Under the insurance laws furniture and fixtures are not admitted as assets, and the reinsurance reserve on the business of the company, which amounts to \$57,697.83, must be shown as a liability, and after deducting these items from the gross surplus the absolute net surplus of the company, including capital, amounted to \$287,566.98.

During the year the company had fire losses amounting to \$37,170.22. Since it commenced business the total fire losses paid by the company amounted to \$143,579.91.

The entire directorate, consisting of Chas. H. Avery, L. G. Heinritz, James H. Beal, W. S. Elkin, Jr., Wm. C. Anderson, G. O. Young, A. O. Zwick, Lewis C. Hopp, Simon N. Jones, John D. Muir, Walter Rothwell, Geo. B. Kauffman, M. S. Kahn, E. B. Heimstreet and Frank H. Freericks, were re-elected.

In the election of Directors, Mr. Samuel C. Davis of Nashville had considerable support in securing the vote of nearly three thousand shares of stock.

The Board of Directors elected the following officers: Chas. H. Avery, President; L. G. Heinritz, Vice-President; Frank H. Freericks, Secretary and General Counsel; Geo. B. Kauffman, Treasurer; the Executive Board, Chas. H. Avery, L. G. Heinritz, Walter Rothwell, A. O. Zwick, J. H. Beal, Geo. B. Kauffman, and Frank H. Freericks.

On Tuesday, February 10, there was served to the stockholders of the company present at the meeting, a stockholders' luncheon at the New Gibson Hotel, and on that occasion all had an opportunity to profit from interesting talks by Dr. Wm. C. Anderson, who discussed the late Convention of the A. D. S., from Dr. James H. Beal, with reference to the progress of the Tampa Cuba Cigar Company, and from E. B. Heimstreet, regarding the National Druggists' Home at Palmyra.

On Tuesday evening the Directors of the company were entertained by the local stockholders who gave a theater party in their honor, the evening being closed with an after theater supper at the Bismarck.



WOMEN'S PHARMACEUTICAL ASSOCIATION.

The regular monthly meeting of the Women's Pharmaceutical Association of the Pacific Coast was held January 24, 1914, in the Assembly Hall, Pacific Building, San Francisco.

The Chairman of the Committee on Papers had prepared an elaborate program for the evening and many new points on the preparation of tincture of cudbear, prescription compounding and a serviceable label varnish were discussed. An interesting paper on Radium was presented by Dr. Barbat-Winslow, Miss Low read a paper on Emetine Hydrochloride, and Mrs. Kane presented a paper on Lloyd's Reagent. Mrs. White showed samples of Alcresta Tasteless Strychnine Tablets, Morphine and Berberine.

The following officers will serve the Association for the ensuing year: Mrs. R. R. White, President; Miss Clarissa Roehr, First Vice-President; Miss Ethel Nelson, Second Vice-President; Dr. J. E. B. Winslow, Secretary; Mrs. A. D. Kane, Treasurer.

The next meeting of the Association will be held in San Francisco, February 27, 1914.



MEMBERS OF THE A. PH. A. IN U. S. HOSPITAL CORPS.*

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*The Editor will be glad to receive notice of any omissions or corrections necessary.

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The Bulletin Board

To the Members of the Section on Pharmacopœias and Formularies:

The time has come when this Section should complete its plans for the meeting to be held at Detroit in August, 1914. Letter paper and envelopes have been sent to each member of the Section and the several members have acknowledged their receipt and expressed a willingness to co-operate in the plans.

Dr. Fantus promises to secure the co-

operation of some medical interests and suggests a discussion on the ideal Pharmacopœia and Formulary from the physician's standpoint. One proposal has been that we present a symposium on the Pharmacopœias and Formularies of the world. This subject should undoubtedly be made a feature of the work of the Section, but it may be that with the large interest in the new editions of the U. S. P. and the N. F., our Section will be overcrowded this year with work connected with the new books.

It will be remembered that at Nashville, the retiring Chairman suggested that the Secretary compile as complete a list as possible of all pharmacopœias and formularies of the world. Mr. Raubenheimer at that meeting presented an interesting paper on formularies and showed a number of those which are used in this country and abroad. This list was afterwards carefully compiled with Mr. Raubenheimer's aid and will be published in the *JOURNAL*. A list of modern pharmacopœias will be found in the Digest of Comments of the U. S. P. and N. F. published by the Marine Hospital Service so that the Secretary can no doubt at the next meeting present lists which will cover the modern books in these two classes, thereby carrying out the recommendation of former Chairman Havenhill. When the Association secures its permanent buildings, a feature should undoubtedly be complete files of all modern pharmacopœias and formularies, and this list will be of assistance to the general Secretary when the time comes for purchasing such books.

It has been suggested that we discuss the scope of the two standard books, the U. S. Pharmacopœia and National Formulary. Upon mature thought, I doubt that the time has arrived when this can be discussed to any advantage. On the eve of publication of the new editions, we are not ready to plan too much detail for the next editions. Your Chairman would suggest that we bend our efforts more extensively to the *new books* for the coming year. A presentation of specimens showing all new formulas would be of interest. Papers outlining the changes in the new books in the various departments of the work would attract attention and be of value to the pharmacists and physicians of the country. The chemical side could be reviewed; that of doses and strengths, the