

CHEMISTRY SHOWS HIDDEN PASSAGES IN 1776 LETTERS

Secrets of Revolution Are Uncovered in Notes Exchanged by Diplomats — Invisible Ink Was Used

NEW HAVEN, Conn. (UP)—Diplomatic messages of the 18th century, knowledge of the contents of which has been held secret by superimposed pen markings and invisible ink, at last have been brought to light by Dr. L. Bendikson, of the Henry E. Huntington library at San Marino, Cal.

The veil from which messages have been lifted through the use of modern chemistry and photography by Bendikson, who has revealed his discoveries in the Franco-American Review.

Focusing his search for diplomatic secrets upon four letters, three of which were written to John Jay, first chief justice of the United States, and one written to the justice, Dr. Bendikson has restored pertinent passages which reveal how American agents worked in France to gain European aid during the critical early days of the revolution.

More prudent and discreet than his contemporaries, Jay censored letters he received and copies of his own by scratching his pen over incriminating or embarrassing passages. Silas Deane, his agent, in Paris, would write a short, bland note on a large piece of paper, and with invisible ink write the real message on the remaining part of the sheet.

Two letters in one. Deciphering a message in one letter marked out by pen, Bendikson first made an enlarged photostat of the message and then examined between the strokes of the original writing and the heavier "staccato" strokes of the super-imposed marks was emphasized. He was thus able to eliminate the letter on the photostat, leaving revealed the original message.

A sensitive spot in Jay—his caution about what he put in his letters—was touched by three deleted lines in a letter written him by Robert R. Livingston. The letter reads in part:

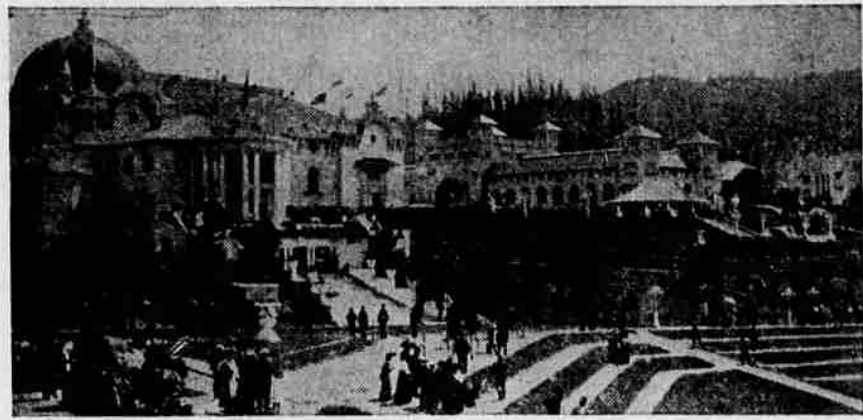
"I hardly know how to admit your excuse for the reserve and caution which, to your phrase mark your letter, since safe conveyances are very frequently afforded and I do not find that one of your letters have miscarried. I long for that free and open communication of sentiment that makes the soul of friendship." The remaining lines which Jay marked out continuing, "and put more value upon one letter that is written from the heart, than on 20 that are designed for the press."

While in Spain in 1781, Jay received a letter from Benjamin Franklin, who was in Passy, France, which would have been harmless anywhere else, but since Jay was actively engaged in obtaining assistance from Spain, it was potential dynamite. He therefore deleted 10 lines from the message, the deletion making it harmless.

Met Social Troubles. The lines scratched out were: "This thought occurred to me on hearing from the Princess Massarano that you and Mrs. Jay did not pass your time agreeably there and I think that you would find these people of a more sociable turn, besides I could put you immediately into the society I enjoy here of a set of very amiable friends. In this case Mr. Carmichael might succeed you in Spain."

Since no fixative was used by Jay after he had treated the invisible writings of Deane, the letters again had become hidden. Through chemical treatments and the use of ultraviolet rays and infra-red rays, Dr. Bendikson with the assistance of

How New York Took Part In Oregon 1905 Fair



SALEM (Special)—A photograph, reproduced from official records of the Lewis and Clark Centennial Exposition, Portland, 1905, shows (left) the building erected by the State of New York for Oregon's world fair. "No place had been provided for the holding of official functions," according to official history, "and when the New York Commission offered the use of its building for such

purposes the Company accepted and entertained there in a long list of receptions and other formalities." New York appropriated \$35,000 toward participation in the Oregon fair. The Empire State also sent a large assortment of exhibits that they could only be displayed by a system of rotation. The accompanying photograph was taken on opening day.

The records of American expositions are of particular interest today, when the New York, for the first time since the Crystal Palace Exposition of 1853, is host to a genuinely international fair. The New York World's Fair of 1939, commemorating Washington's first inauguration as president, will cost \$125,000,000 or more, according to estimates. The exposition is already well along in the construction period.

George D. van Arsdale, chemical engineer at Pasadena, found the formula of the ink used in letters written by Deane. Deane wrote his letters with tannic acid and Jay sponged the letters with a solution of copperas, or ferrous sulphate.

Disguised as Merchant. Deane, as the colonies' agent in France, appeared there as a merchant. Fears that he might be tracked down by the British were disclosed by him in a letter to Jay. In invisible ink he wrote:

"I have appeared only as a private merchant, but it has been reported, and I frequently hear that an agent from the congress is in town and sometimes that he is gone to Paris, etc. I mention this as a mark of expectations of the people which in general is on the same key with their wishes. The English ambassador is apprehensive of such a measure and I expect it will require great care to elude his inquiry."

"The letters I have obtained from hence to court are given to me generally on the ground of mercantile views and not on any grounds whatever was suspected of any other business. I am Gentlemen Your most obedient Servt. S. Deane. P. S. forgive blunder and spell it out, for I am much put to copy letters in this way."

Closing time for Too Late to Classify Ads is 1:30 p. m.

Phone 542 We'll mail away yours refuse City Sanitary Service

HITLER'S U-BOATS RUSHED TO SPAIN; DUCE STAGES SHOW

(By the Associated Press)

Germany was authoritatively reported today to have rushed U-boats to Spanish waters as a "preparedness measure."

An official German agency report said "parts of the third torpedo boat flotilla" left for the troubled area.

Chancellor Hitler was described as determined to prepare for any eventuality no matter how the international non-intervention committee acts on his demand for "adequate" protection of the reich's warships.

British officials hoped a solution was sighted in the crisis that arose from the shelling of Almeria, Spain, by German ships after the German pocket battleship Deutschland was bombed by Spanish government planes.

Reports to London from Berlin and Rome indicated, it was believed, that Germany and Italy might return to the non-intervention committee, from which they withdrew after the Deutschland incident.

British Foreign Secretary Anthony Eden renewed efforts to hasten the two nations' return with assurances of protection for their ships.

In Italy, Premier Mussolini staged a genuine air attack on a mock naval base to show German War Minister Von Blomberg how effectively Italian aviation could perform.

CORTWRIGHT NEW KLAMATH OFFICER

WASHINGTON, June 4.—(AP)—Indian Commissioner John Collier announced today appointment of Berg G. Cortwright as superintendent of the Klamath Indian reservation in Oregon.

Cortwright took over his new post this week.

The new superintendent succeeds Wade Crawford, dismissed recently "with prejudice" by the interior department.

Cortwright has been with the works progress administration the past two and a half years as a file auditor.

Capitol Granite Arrives. SALEM, June 4.—(AP)—Granite for the base of the new capitol building arrived here and placing it for the first floor will start next week.

FARM WORKERS LACK LAWS ON RISK BENEFITS

U. S. Economist Finds Few States Have Enacted Insurance Measures Despite Farming Hazards

WASHINGTON (UP)—Although farming is one of the most hazardous of occupations, workmen's compensation insurance laws neglect farmers in most states, according to Josiah C. Folsom, department of agriculture economist.

Farmers seem to be more exposed to occupational hazards than do many other workers because of long hours, physical weariness, the variety of work and increased use of machinery," Folsom said.

He quoted the National Safety Council statistics showing that in a single year there were 5,000 fatal farm accidents and that 85,000 men received injuries involving loss of time from work.

"The present growth of demand for application of social insurance in this country indicates that workmen's compensation insurance may be extended to agricultural laborers within a few years," Folsom said.

Calls U. S. Laggard. So far as comprehensive coverage is concerned, Folsom said, the United States as a whole has lagged behind other nations in providing workmen's compensation insurance for agricultural workers.

Most state laws treat agriculture as a non-hazardous occupation. The laws of 14 states and the District of Columbia specifically exclude agricultural workers from benefits of compensatory insurance, Folsom said.

These states are Alabama, Delaware, Florida, Iowa, Maryland, Missouri, North Carolina, Oklahoma, Pennsylvania, Tennessee, South Carolina, Texas, West Virginia and Wisconsin.

Three other states—New Hampshire, Washington and Wyoming—exclude farm workers from benefits of their workmen's compensation laws by failing to list them among the workers included.

Some states require workers engaged in certain extra hazardous farm tasks to be insured under their workmen's compensation laws. In Arizona, farm laborers using machinery must be insured.

Exempts Small Class. In Ohio such insurance is compulsory as to all employments excepting those having fewer than three employees. In South Dakota and Kentucky such insurance is compulsory as to threshing grain, also in

Kentucky for hauling grains and seeds. Workmen's compensation insurance for agricultural workers is elective in California, Michigan and New Jersey. In most of the remaining states farmers may voluntarily take out workmen's compensation insurance under their state laws.

These states are Arizona, Colorado, Connecticut, Georgia, Idaho, Illinois, Indiana, Kansas, Kentucky, Louisiana, Maine, Massachusetts, Minnesota, Montana, Nebraska, Nevada, New Mexico, New York, North Dakota, Ohio, Oregon, Rhode Island, South Dakota, Vermont, Utah and Virginia.

TEN TROOPS JOIN SCOUT EVENTS AT YEARLY PLAY DAY

Girl Scouts know their knots and bandages was the general opinion of the many parents and friends who witnessed the games and contests at the annual Girl Scout play day held at Jackson Hot Springs Wednesday.

With ten troops competing in a single year there were 5,000 fatal farm accidents and that 85,000 men received injuries involving loss of time from work.

Order was reversed in the bandage tying relay as the Roosevelt troop won first place and Phoenix third while second place was won by the Central Point troop.

Very much enjoyed was the song contest in which each troop sang an original song exemplifying the name, number, etc. of the troop. After much deliberation on the part of the judges, honors were finally awarded to the Phoenix troop with the Roosevelt and Jacksonville troop taking second and third places.

After the picnic supper signaling demonstrations were given with the Roosevelt and Central Point troops sharing in the honors. Presentation of colors was exemplified by Jeanne Wilson, Corinne D'Albini, Janice Gifford, and Phoebe Ferguson, of troop 7, as color bearers and guard.

Pagant of flags presented by the Cheskamay troop and directed by Mrs. Otto Frohnmayer, captain, was especially colorful with the early evening shadows forming a beautiful setting. The history of the many flags related to our own theme of the pagant, was illustrated with flags representing the different countries.

Formal presentation of awards was made by Mrs. Wm. Holloway, commissioner.

Special announcement was made relative to summer camp correcting the misprint of the date and urging all registrations to be in by June 8.

Honorable mention was made of the large number of first class awards to Joan Burke, Nanette Rosenberg, Pat

The Grange

Eagle Point Grange.

EAGLE POINT, June 4.—(Sp.)—Eagle Point Grange met in regular session June 1 with a good attendance. Ten candidates were conferred with the 3rd and 4th degrees and we welcome these new members into our Grange.

A very impressive Memorial Day program was given during the lecture hour. Regular business was conducted and refreshments were served at the close of Grange.

The ways and means committee

will hold a hard time-old time party June 8. Every one attending be sure to wear hard time clothes. There will be a small door charge.

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